



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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins Road-WO#03A Office Phone Number, if available: _____

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

Higgins Road ROW (Eastbound) -West of N. Martingale Rd and Higgins Rd IDOT STA 121+58 to 136+50 (ISGS Site 2678-3)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins Road-WO#03A

Latitude: 42.03799 Longitude: -88.03895

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, B03, B05, B06, B07, B08, and B09 were sampled adjacent to ISGS Site No 2678-3. See Exhibits 2, 2A, 2B and Table 1 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103108-1. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

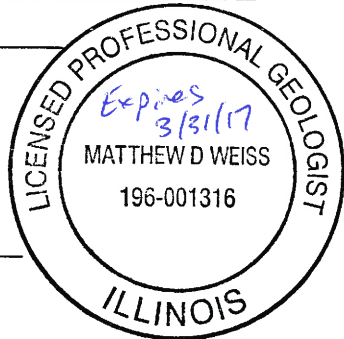
City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

[Signature]

12/11/15
Date:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B01 (0-4)	2678-3-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.017
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0068	0.014
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	0.018
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	0.03
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	0.015
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		0.016	0.02
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	0.031
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	0.014
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.038
Pyrene	mg/kg	1.9	3.0	2300		0.016	0.024
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	0.13
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.1	9.1
Barium	mg/kg	---	110	1500		42	32
Cadmium	mg/kg	---	0.6	5.2		0.1	0.16
Chromium, total	mg/kg	---	16.2	21		14	14
Lead	mg/kg	---	36	107		15	15
Mercury	mg/kg	---	0.06	0.1		0.021	0.028
Selenium	mg/kg	---	0.48	1.3		<0.54	0.38
Silver	mg/kg	---	0.55	4.4		<0.27	<0.27
Antimony	mg/kg	---	4.0	5		0.47	<1.1
Beryllium	mg/kg	---	0.59	22		0.63	0.61
Calcium	mg/kg	---	9,300	---		81000	68000
Cobalt	mg/kg	---	8.9	20		12	11
Copper	mg/kg	---	19.6	2900		21	26
Cyanide	mg/kg	---	0.51	---		<0.56	<0.57
Iron	mg/kg	---	15,900	15000		17000	19000
Magnesium	mg/kg	---	4,820	325000		30000	27000
Manganese	mg/kg	---	636	630		360	330
Nickel	mg/kg	---	18	100		28	31
Potassium	mg/kg	---	1,268	---		1700	1600
Sodium	mg/kg	---	130	---		1500	1200
Thallium	mg/kg	---	0.32	2.6		<0.54	0.47
Vanadium	mg/kg	---	25.2	550		19	15
Zinc	mg/kg	---	95	5100		49	68
pH			6.25	9		7.96	8.66
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.048	0.021
Barium,SPLP	mg/L	---	---	---		0.42	0.21
Beryllium,SPLP	mg/L	---	---	---		0.0046	<0.0040
Cadmium,SPLP	mg/L	---	---	---		0.0021	<0.0050
Calcium,SPLP	mg/L	---	---	---		35	28
Chromium,SPLP	mg/L	---	---	---		0.1	0.039
Cobalt,SPLP	mg/L	---	---	---		0.034	0.01
Copper,SPLP	mg/L	---	---	---		0.14	0.061
Iron,SPLP	mg/L	---	---	---		100	35
Lead,SPLP	mg/L	---	---	---		0.052	0.019
Magnesium,SPLP	mg/L	---	---	---		27	15
Manganese,SPLP	mg/L	---	---	---		0.71	0.16
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.11	0.041
Potassium,SPLP	mg/L	---	---	---		17	10
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B01 (0-4)	2678-3-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0026	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.13	0.046
Zinc,SPLP	mg/L	---	---	---		0.61	0.55
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.37	0.3
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	---	---	---		420	390
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		53	81
Manganese,TCLP	mg/L	---	---	---		1.6	0.84
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1.9	1.6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.68	0.29

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B03 (0-4) Dup	2678-3-B05 (0-5)
				CCDD	Sample Depth (feet)	(0-4)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.017	<0.019
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.018	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.025	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.047	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.014	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.016	<0.038
Chrysene	mg/kg	1.2	2.7	88		0.025	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		0.027	0.0098
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.013	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.0076	<0.038
Pyrene	mg/kg	1.9	3.0	2300		0.031	0.0086
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	10
Barium	mg/kg	---	110	1500		30	59
Cadmium	mg/kg	---	0.6	5.2		0.15	0.22
Chromium, total	mg/kg	---	16.2	21		13	18
Lead	mg/kg	---	36	107		20	20
Mercury	mg/kg	---	0.06	0.1		0.037	0.03
Selenium	mg/kg	---	0.48	1.3		0.34	0.55
Silver	mg/kg	---	0.55	4.4		<0.27	<0.29
Antimony	mg/kg	---	4.0	5		0.46	<1.2
Beryllium	mg/kg	---	0.59	22		0.65	0.72
Calcium	mg/kg	---	9,300	---		61000	22000
Cobalt	mg/kg	---	8.9	20		12	15
Copper	mg/kg	---	19.6	2900		29	29
Cyanide	mg/kg	---	0.51	---		<0.56	<0.58
Iron	mg/kg	---	15,900	15000		19000	21000
Magnesium	mg/kg	---	4,820	325000		24000	14000
Manganese	mg/kg	---	636	630		320	370
Nickel	mg/kg	---	18	100		32	37
Potassium	mg/kg	---	1,268	---		1700	1800
Sodium	mg/kg	---	130	---		1400	1500
Thallium	mg/kg	---	0.32	2.6		<0.54	<0.58
Vanadium	mg/kg	---	25.2	550		17	23
Zinc	mg/kg	---	95	5100		63	68
pH			6.25	9		8.94	8.38
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.088	0.085
Barium,SPLP	mg/L	---	---	---		0.46	0.73
Beryllium,SPLP	mg/L	---	---	---		0.0067	0.0078
Cadmium,SPLP	mg/L	---	---	---		0.0032	0.0035
Calcium,SPLP	mg/L	---	---	---		41	38
Chromium,SPLP	mg/L	---	---	---		0.14	0.17
Cobalt,SPLP	mg/L	---	---	---		0.05	0.059
Copper,SPLP	mg/L	---	---	---		0.22	0.24
Iron,SPLP	mg/L	---	---	---		160	190
Lead,SPLP	mg/L	---	---	---		0.088	0.095
Magnesium,SPLP	mg/L	---	---	---		36	37
Manganese,SPLP	mg/L	---	---	---		0.82	1.4
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.18	0.22
Potassium,SPLP	mg/L	---	---	---		22	21
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B03 (0-4) Dup	2678-3-B05 (0-5)
				CCDD	Sample Depth (feet)	(0-4)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0041	0.0042
Vanadium,SPLP	mg/L	---	---	---		0.17	0.22
Zinc,SPLP	mg/L	---	---	---		0.5	0.52
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	0.01
Barium,TCLP	mg/L	---	---	---		0.33	0.44
Cadmium,TCLP	mg/L	---	---	---		<0.0050	0.002
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	---	---	---		430	250
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.015
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.24	<0.20
Magnesium,TCLP	mg/L	---	---	---		43	85
Manganese,TCLP	mg/L	---	---	---		0.38	4.2
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		2	0.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.072	0.067

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B05 (5-10)	2678-3-B05 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.018
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.037
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.037
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.037	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	0.027
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.037
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.037
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.6	9.3
Barium	mg/kg	---	110	1500		39	19
Cadmium	mg/kg	---	0.6	5.2		0.2	0.25
Chromium, total	mg/kg	---	16.2	21		15	10
Lead	mg/kg	---	36	107		14	14
Mercury	mg/kg	---	0.06	0.1		0.027	0.024
Selenium	mg/kg	---	0.48	1.3		<0.56	0.54
Silver	mg/kg	---	0.55	4.4		<0.28	<0.27
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.58	0.41
Calcium	mg/kg	---	9,300	---		64000	75000
Cobalt	mg/kg	---	8.9	20		13	12
Copper	mg/kg	---	19.6	2900		26	27
Cyanide	mg/kg	---	0.51	---		<0.51	<0.57
Iron	mg/kg	---	15,900	15000		18000	15000
Magnesium	mg/kg	---	4,820	325000		24000	30000
Manganese	mg/kg	---	636	630		300	350
Nickel	mg/kg	---	18	100		33	27
Potassium	mg/kg	---	1,268	---		2300	1500
Sodium	mg/kg	---	130	---		810	180
Thallium	mg/kg	---	0.32	2.6		0.38	0.67
Vanadium	mg/kg	---	25.2	550		16	12
Zinc	mg/kg	---	95	5100		60	53
pH			6.25	9		8.31	7.79
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.079	<0.050
Barium,SPLP	mg/L	---	---	---		0.44	0.1
Beryllium,SPLP	mg/L	---	---	---		0.0065	<0.0040
Cadmium,SPLP	mg/L	---	---	---		0.0029	<0.0050
Calcium,SPLP	mg/L	---	---	---		56	26
Chromium,SPLP	mg/L	---	---	---		0.14	<0.025
Cobalt,SPLP	mg/L	---	---	---		0.05	<0.025
Copper,SPLP	mg/L	---	---	---		0.22	0.012
Iron,SPLP	mg/L	---	---	---		150	0.37
Lead,SPLP	mg/L	---	---	---		0.071	<0.0075
Magnesium,SPLP	mg/L	---	---	---		46	6.7
Manganese,SPLP	mg/L	---	---	---		0.65	0.034
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.19	<0.025
Potassium,SPLP	mg/L	---	---	---		27	2.7
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B05 (5-10)	2678-3-B05 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0057	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.15	<0.025
Zinc,SPLP	mg/L	---	---	---		0.68	0.091
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.29	0.38
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	---	---	---		480	400
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.036
Copper,TCLP	mg/L	---	---	---		<0.025	0.017
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		38	22
Manganese,TCLP	mg/L	---	---	---		0.4	1.6
Nickel,TCLP	mg/L	---	---	---		<0.025	0.072
Potassium,TCLP	mg/L	---	---	---		1.5	4.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		<0.50	0.48

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B06 (0-5)	2678-3-B06 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		0.025	<0.021
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		0.0085	<0.039
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.039
Pyrene	mg/kg	1.9	3.0	2300		0.013	<0.039
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.20
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.6	8.2
Barium	mg/kg	---	110	1500		57	39
Cadmium	mg/kg	---	0.6	5.2		0.21	0.22
Chromium, total	mg/kg	---	16.2	21		17	18
Lead	mg/kg	---	36	107		20	20
Mercury	mg/kg	---	0.06	0.1		0.033	0.046
Selenium	mg/kg	---	0.48	1.3		0.35	<0.56
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.2	<1.1
Beryllium	mg/kg	---	0.59	22		0.72	0.65
Calcium	mg/kg	---	9,300	---		25000	3000
Cobalt	mg/kg	---	8.9	20		13	13
Copper	mg/kg	---	19.6	2900		27	32
Cyanide	mg/kg	---	0.51	---		<0.60	<0.59
Iron	mg/kg	---	15,900	15000		21000	21000
Magnesium	mg/kg	---	4,820	325000		15000	4800
Manganese	mg/kg	---	636	630		370	320
Nickel	mg/kg	---	18	100		35	37
Potassium	mg/kg	---	1,268	---		1800	2100
Sodium	mg/kg	---	130	---		1100	85
Thallium	mg/kg	---	0.32	2.6		0.4	0.63
Vanadium	mg/kg	---	25.2	550		22	23
Zinc	mg/kg	---	95	5100		66	65
pH			6.25	9		8.05	7.7
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.066	<0.050
Barium,SPLP	mg/L	---	---	---		0.5	0.11
Beryllium,SPLP	mg/L	---	---	---		0.0064	<0.0040
Cadmium,SPLP	mg/L	---	---	---		0.0025	<0.0050
Calcium,SPLP	mg/L	---	---	---		38	16
Chromium,SPLP	mg/L	---	---	---		0.12	0.011
Cobalt,SPLP	mg/L	---	---	---		0.053	<0.025
Copper,SPLP	mg/L	---	---	---		0.18	0.017
Iron,SPLP	mg/L	---	---	---		130	4.4
Lead,SPLP	mg/L	---	---	---		0.085	<0.0075
Magnesium,SPLP	mg/L	---	---	---		28	7.7
Manganese,SPLP	mg/L	---	---	---		1.5	0.083
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.15	<0.025
Potassium,SPLP	mg/L	---	---	---		16	3.1
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B06 (0-5)	2678-3-B06 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0026	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.17	<0.025
Zinc,SPLP	mg/L	---	---	---		0.61	0.11
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		0.011	<0.050
Barium,TCLP	mg/L	---	---	---		0.53	0.19
Cadmium,TCLP	mg/L	---	---	---		<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075	0.011
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	---	---	---		360	89
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.024
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.35	0.4
Magnesium,TCLP	mg/L	---	---	---		52	41
Manganese,TCLP	mg/L	---	---	---		7.9	2.6
Nickel,TCLP	mg/L	---	---	---		<0.025	0.026
Potassium,TCLP	mg/L	---	---	---		2.3	2.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.15	0.076

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B06 (10-15)	2678-3-B07 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	0.032
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	0.011
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.038
Pyrene	mg/kg	1.9	3.0	2300		0.011	0.011
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.3	8.6
Barium	mg/kg	---	110	1500		38	76
Cadmium	mg/kg	---	0.6	5.2		0.21	0.25
Chromium, total	mg/kg	---	16.2	21		16	18
Lead	mg/kg	---	36	107		13	18
Mercury	mg/kg	---	0.06	0.1		0.029	0.035
Selenium	mg/kg	---	0.48	1.3		<0.58	0.5
Silver	mg/kg	---	0.55	4.4		<0.29	<0.30
Antimony	mg/kg	---	4.0	5		<1.2	<1.2
Beryllium	mg/kg	---	0.59	22		0.6	0.71
Calcium	mg/kg	---	9,300	---		65000	25000
Cobalt	mg/kg	---	8.9	20		8.8	13
Copper	mg/kg	---	19.6	2900		25	23
Cyanide	mg/kg	---	0.51	---		<0.55	<0.60
Iron	mg/kg	---	15,900	15000		19000	19000
Magnesium	mg/kg	---	4,820	325000		24000	14000
Manganese	mg/kg	---	636	630		310	340
Nickel	mg/kg	---	18	100		31	33
Potassium	mg/kg	---	1,268	---		2300	1900
Sodium	mg/kg	---	130	---		130	1200
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.59
Vanadium	mg/kg	---	25.2	550		18	24
Zinc	mg/kg	---	95	5100		58	63
pH			6.25	9		7.93	8.61
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.11
Barium,SPLP	mg/L	---	---	---		0.088	0.77
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0099
Cadmium,SPLP	mg/L	---	---	---		<0.0050	0.0034
Calcium,SPLP	mg/L	---	---	---		30	44
Chromium,SPLP	mg/L	---	---	---		<0.025	0.21
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.082
Copper,SPLP	mg/L	---	---	---		<0.025	0.26
Iron,SPLP	mg/L	---	---	---		0.27	240
Lead,SPLP	mg/L	---	---	---		<0.0075	0.16
Magnesium,SPLP	mg/L	---	---	---		8.4	46
Manganese,SPLP	mg/L	---	---	---		0.034	2
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	0.26
Potassium,SPLP	mg/L	---	---	---		1.5	26
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B06 (10-15)	2678-3-B07 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0045
Vanadium,SPLP	mg/L	---	---	---		<0.025	0.29
Zinc,SPLP	mg/L	---	---	---		0.13	0.61
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.29	0.43
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	---	---	---		500	340
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.012
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	0.56
Magnesium,TCLP	mg/L	---	---	---		36	63
Manganese,TCLP	mg/L	---	---	---		0.39	4.9
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.4	2.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.12	0.051

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B07 (5-10)	2678-3-B07 (5-10) Dup
				CCDD	Sample Depth (feet)	(5-10)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.018
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.039	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.039	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.009	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.039	0.0097
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.1	8.4
Barium	mg/kg	---	110	1500		36	40
Cadmium	mg/kg	---	0.6	5.2		0.2	0.25
Chromium, total	mg/kg	---	16.2	21		16	17
Lead	mg/kg	---	36	107		14	16
Mercury	mg/kg	---	0.06	0.1		0.026	0.025
Selenium	mg/kg	---	0.48	1.3		0.61	0.56
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		<1.1	<1.2
Beryllium	mg/kg	---	0.59	22		0.61	0.65
Calcium	mg/kg	---	9,300	---		63000	61000
Cobalt	mg/kg	---	8.9	20		15	20
Copper	mg/kg	---	19.6	2900		24	25
Cyanide	mg/kg	---	0.51	---		<0.58	<0.56
Iron	mg/kg	---	15,900	15000		18000	20000
Magnesium	mg/kg	---	4,820	325000		23000	23000
Manganese	mg/kg	---	636	630		320	530
Nickel	mg/kg	---	18	100		32	43
Potassium	mg/kg	---	1,268	---		2200	2400
Sodium	mg/kg	---	130	---		520	580
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.58
Vanadium	mg/kg	---	25.2	550		18	19
Zinc	mg/kg	---	95	5100		59	66
pH			6.25	9		8.15	8.2
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.049	0.023
Barium,SPLP	mg/L	---	---	---		0.34	0.27
Beryllium,SPLP	mg/L	---	---	---		0.005	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		56	51
Chromium,SPLP	mg/L	---	---	---		0.11	0.07
Cobalt,SPLP	mg/L	---	---	---		0.037	0.018
Copper,SPLP	mg/L	---	---	---		0.13	0.073
Iron,SPLP	mg/L	---	---	---		110	58
Lead,SPLP	mg/L	---	---	---		0.055	0.029
Magnesium,SPLP	mg/L	---	---	---		38	26
Manganese,SPLP	mg/L	---	---	---		0.48	0.29
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.13	0.067
Potassium,SPLP	mg/L	---	---	---		21	14
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B07 (5-10)	2678-3-B07 (5-10) Dup
				CCDD	Sample Depth (feet)	(5-10)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		---	---
Thallium,SPLP	mg/L	---	---	---		0.0021	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.12	0.079
Zinc,SPLP	mg/L	---	---	---		0.75	0.24
Cyanide,SPLP	mg/L	---	---	---		---	---
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.28	0.26
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	---	---	---		460	420
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		---	---
Iron,TCLP	mg/L	---	---	---		0.23	0.21
Magnesium,TCLP	mg/L	---	---	---		28	25
Manganese,TCLP	mg/L	---	---	---		0.4	0.39
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.1	2.2
Sodium,TCLP	mg/L	---	---	---		---	---
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.83	0.051

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B07 (10-15)	2678-3-B08 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.020
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.039
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.037	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.049	<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.039
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.20
2-Methylnaphthalene	mg/kg	---	0.14	---		0.058	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.8	11
Barium	mg/kg	---	110	1500		32	57
Cadmium	mg/kg	---	0.6	5.2		0.19	0.27
Chromium, total	mg/kg	---	16.2	21		16	17
Lead	mg/kg	---	36	107		14	36
Mercury	mg/kg	---	0.06	0.1		0.022	0.062
Selenium	mg/kg	---	0.48	1.3		0.42	<0.58
Silver	mg/kg	---	0.55	4.4		<0.29	<0.29
Antimony	mg/kg	---	4.0	5		<1.2	<1.2
Beryllium	mg/kg	---	0.59	22		0.61	0.74
Calcium	mg/kg	---	9,300	---		66000	33000
Cobalt	mg/kg	---	8.9	20		13	16
Copper	mg/kg	---	19.6	2900		24	33
Cyanide	mg/kg	---	0.51	---		<0.55	<0.59
Iron	mg/kg	---	15,900	15000		17000	22000
Magnesium	mg/kg	---	4,820	325000		25000	20000
Manganese	mg/kg	---	636	630		310	400
Nickel	mg/kg	---	18	100		34	41
Potassium	mg/kg	---	1,268	---		2500	2000
Sodium	mg/kg	---	130	---		220	1500
Thallium	mg/kg	---	0.32	2.6		0.4	0.3
Vanadium	mg/kg	---	25.2	550		18	21
Zinc	mg/kg	---	95	5100		52	62
pH			6.25	9		8	8.6
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.033
Barium,SPLP	mg/L	---	---	---		0.24	0.35
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		49	24
Chromium,SPLP	mg/L	---	---	---		0.043	0.074
Cobalt,SPLP	mg/L	---	---	---		0.017	0.017
Copper,SPLP	mg/L	---	---	---		0.034	0.11
Iron,SPLP	mg/L	---	---	---		21	72
Lead,SPLP	mg/L	---	---	---		0.01	0.036
Magnesium,SPLP	mg/L	---	---	---		19	18
Manganese,SPLP	mg/L	---	---	---		0.38	0.25
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.041	0.082
Potassium,SPLP	mg/L	---	---	---		12	13
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B07 (10-15)	2678-3-B08 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0026
Vanadium,SPLP	mg/L	---	---	---		0.05	0.093
Zinc,SPLP	mg/L	---	---	---		1.4	0.28
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.43	0.45
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	---	---	---		450	330
Cobalt,TCLP	mg/L	---	---	---		0.023	<0.025
Copper,TCLP	mg/L	---	---	---		0.011	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.2	0.37
Magnesium,TCLP	mg/L	---	---	---		26	60
Manganese,TCLP	mg/L	---	---	---		1.4	0.12
Nickel,TCLP	mg/L	---	---	---		0.069	<0.025
Potassium,TCLP	mg/L	---	---	---		5.3	1.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.32	0.061

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B08 (5-11)	2678-3-B09 (0-5)
				CCDD	Sample Depth (feet)	(5-11)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.019
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.038	<0.038
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	9.3
Barium	mg/kg	---	110	1500		30	61
Cadmium	mg/kg	---	0.6	5.2		0.22	0.21
Chromium, total	mg/kg	---	16.2	21		15	17
Lead	mg/kg	---	36	107		15	17
Mercury	mg/kg	---	0.06	0.1		0.026	0.018
Selenium	mg/kg	---	0.48	1.3		0.66	0.32
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.2	<1.1
Beryllium	mg/kg	---	0.59	22		0.59	0.72
Calcium	mg/kg	---	9,300	---		63000	27000
Cobalt	mg/kg	---	8.9	20		12	16
Copper	mg/kg	---	19.6	2900		26	30
Cyanide	mg/kg	---	0.51	---		<0.60	<0.56
Iron	mg/kg	---	15,900	15000		20000	21000
Magnesium	mg/kg	---	4,820	325000		25000	20000
Manganese	mg/kg	---	636	630		280	500
Nickel	mg/kg	---	18	100		33	39
Potassium	mg/kg	---	1,268	---		2200	1900
Sodium	mg/kg	---	130	---		570	1300
Thallium	mg/kg	---	0.32	2.6		0.4	<0.57
Vanadium	mg/kg	---	25.2	550		18	20
Zinc	mg/kg	---	95	5100		63	48
pH			6.25	9		8.29	8.96
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.022	0.019
Barium,SPLP	mg/L	---	---	---		0.23	0.25
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		40	25
Chromium,SPLP	mg/L	---	---	---		0.044	0.047
Cobalt,SPLP	mg/L	---	---	---		0.013	0.014
Copper,SPLP	mg/L	---	---	---		0.072	0.055
Iron,SPLP	mg/L	---	---	---		40	38
Lead,SPLP	mg/L	---	---	---		0.026	0.019
Magnesium,SPLP	mg/L	---	---	---		21	15
Manganese,SPLP	mg/L	---	---	---		0.22	0.28
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.049	0.05
Potassium,SPLP	mg/L	---	---	---		11	9.5
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B08 (5-11)	2678-3-B09 (0-5)
				CCDD	Sample Depth (feet)	(5-11)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.05	0.059
Zinc,SPLP	mg/L	---	---	---		0.38	0.18
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.24	0.36
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	---	---	---		420	320
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.6	<0.20
Magnesium,TCLP	mg/L	---	---	---		38	110
Manganese,TCLP	mg/L	---	---	---		1.4	0.73
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.3	1.6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.23	0.057

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B09 (5-11)
				CCDD	Sample Depth (feet)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015
Volatile Organic Analytical Parameters						
Acetone	mg/kg	---	---	25		<0.019
Semivolatile Organic Analytical Parameters						
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.038
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		7.8
Barium	mg/kg	---	110	1500		34
Cadmium	mg/kg	---	0.6	5.2		0.2
Chromium, total	mg/kg	---	16.2	21		16
Lead	mg/kg	---	36	107		13
Mercury	mg/kg	---	0.06	0.1		0.024
Selenium	mg/kg	---	0.48	1.3		<0.58
Silver	mg/kg	---	0.55	4.4		<0.29
Antimony	mg/kg	---	4.0	5		<1.2
Beryllium	mg/kg	---	0.59	22		0.64
Calcium	mg/kg	---	9,300	---		62000
Cobalt	mg/kg	---	8.9	20		8.4
Copper	mg/kg	---	19.6	2900		24
Cyanide	mg/kg	---	0.51	---		<0.58
Iron	mg/kg	---	15,900	15000		19000
Magnesium	mg/kg	---	4,820	325000		23000
Manganese	mg/kg	---	636	630		230
Nickel	mg/kg	---	18	100		31
Potassium	mg/kg	---	1,268	---		2600
Sodium	mg/kg	---	130	---		790
Thallium	mg/kg	---	0.32	2.6		<0.58
Vanadium	mg/kg	---	25.2	550		20
Zinc	mg/kg	---	95	5100		55
pH			6.25	9		8.72
Inorganic Analytical Parameters (SPLP)						
Antimony,SPLP	mg/L	---	---	---		<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050
Barium,SPLP	mg/L	---	---	---		0.2
Beryllium,SPLP	mg/L	---	---	---		<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050
Calcium,SPLP	mg/L	---	---	---		79
Chromium,SPLP	mg/L	---	---	---		0.011
Cobalt,SPLP	mg/L	---	---	---		<0.025
Copper,SPLP	mg/L	---	---	---		0.019
Iron,SPLP	mg/L	---	---	---		2.2
Lead,SPLP	mg/L	---	---	---		<0.0075
Magnesium,SPLP	mg/L	---	---	---		23
Manganese,SPLP	mg/L	---	---	---		0.16
Mercury,SPLP	mg/L	---	---	---		<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025
Potassium,SPLP	mg/L	---	---	---		2.9
Selenium,SPLP	mg/L	---	---	---		<0.050

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-3)

Schaumburg, IL

Terracon Project No. 11157103

Page 18 of 18

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-3-B09 (5-11)
				CCDD	Sample Depth (feet)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015
Silver,SPLP	mg/L	---	---	---		<0.025
Sodium,SPLP	mg/L	---	---	---		----
Thallium,SPLP	mg/L	---	---	---		<0.0020
Vanadium,SPLP	mg/L	---	---	---		<0.025
Zinc,SPLP	mg/L	---	---	---		0.55
Cyanide,SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.31
Cadmium,TCLP	mg/L	---	---	---		<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		470
Cobalt,TCLP	mg/L	---	---	---		<0.025
Copper,TCLP	mg/L	---	---	---		<0.025
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		<0.20
Magnesium,TCLP	mg/L	---	---	---		38
Manganese,TCLP	mg/L	---	---	---		0.75
Nickel,TCLP	mg/L	---	---	---		<0.025
Potassium,TCLP	mg/L	---	---	---		2.6
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.069

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: 500-103108-1
Client Project/Site: IDOT - Schaumburg - WO 03

For:
Terracon Consulting Eng & Scientists
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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Job ID: 500-103108-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103108-1

Comments

No additional comments.

Receipt

The samples were received on 10/27/2015 11:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.8° C, 2.9° C, 3.2° C and 3.4° C.

Receipt Exceptions

GW lab sample 23 has limited sample and cyanide could not be analyzed. For lab samples 33-35, the COC has ID's of 2678-5-B05. Bottles have ID of 2678-5-B06, Samples logged per bottles.

GC/MS VOA

Method(s) 5035: Sample vial 500-103108-C-13 leaked during transport. The vial is not usable for analysis.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 31203, 310173, and 310371 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following analytes recovered outside control limits for the LCSD associated with 31203: 2-Hexanone, Methyl isobutyl ketone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results 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) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 310585 had 2 analytes outside control limits: 2,4-Dinitrophenol at 6% and 2,4-Dimethylphenol at 47%; therefore, corrective action was not performed. These results have been reported and qualified. 2678-3-B09 (0-5) (500-103108-21), 2678-3-B09 (5-11) (500-103108-22) and 2678-3-G01 (500-103108-23)

Method(s) 8270D: The following samples contained one surrogate outside acceptance limits: 2678-3-B06 (5-10) (500-103108-13), 2678-3-B08 (5-11) (500-103108-20) and 2678-3-B09 (5-11) (500-103108-22). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following sample contained one acid and one base surrogate outside acceptance limits: 2678-3-B01 (0-4) (500-103108-1). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 verifications (CCV) associated with batch 500-310621 recovered above the upper control limit for Zinc. The sample associated with these continuing calibration verifications was a non-detect for the affected analyte; therefore, the data have been reported. The following samples is impacted: 2678-3-B03 (0-4) Dup (500-103108-4).

Method(s) 6010B:

Method(s) 6020A: The method blank for preparation batch 500-310109 and analytical batch 500-311229 contained Calcium above the reporting limit (RL). Associated sample was not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Job ID: 500-103108-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

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.

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Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzof[a]anthracene	0.0068	J	0.038	0.0052	mg/Kg	1	☼	8270D	Total/NA	
Chrysene	0.016	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA	
Pyrene	0.016	J F1	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA	
Antimony	0.47	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA	
Arsenic	8.1		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA	
Barium	42		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA	
Beryllium	0.63		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA	
Cadmium	0.10	J	0.11	0.031	mg/Kg	1	☼	6010B	Total/NA	
Chromium	14	B	0.54	0.093	mg/Kg	1	☼	6010B	Total/NA	
Cobalt	12		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA	
Copper	21		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA	
Iron	17000		11	4.2	mg/Kg	1	☼	6010B	Total/NA	
Lead	15		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA	
Magnesium	30000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA	
Calcium	81000		110	35	mg/Kg	10	☼	6010B	Total/NA	
Manganese	360		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA	
Nickel	28		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA	
Vanadium	19		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA	
Zinc	49		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA	
Potassium	1700		27	4.4	mg/Kg	1	☼	6010B	Total/NA	
Sodium	1500		54	7.1	mg/Kg	1	☼	6010B	Total/NA	
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP	
Calcium	420		2.5	0.50	mg/L	1		6010B	TCLP	
Magnesium	53		2.5	0.50	mg/L	1		6010B	TCLP	
Manganese	1.6		0.050	0.010	mg/L	1		6010B	TCLP	
Potassium	1.9	J	2.5	0.50	mg/L	1		6010B	TCLP	
Zinc	0.68	B	0.50	0.020	mg/L	1		6010B	TCLP	
Arsenic	0.048	J	0.050	0.010	mg/L	1		6010B	SPLP East	
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	SPLP East	
Beryllium	0.0046		0.0040	0.0040	mg/L	1		6010B	SPLP East	
Cadmium	0.0021	J	0.0050	0.0020	mg/L	1		6010B	SPLP East	
Calcium	35	B	5.0	0.50	mg/L	1		6010B	SPLP East	
Chromium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East	
Cobalt	0.034		0.025	0.010	mg/L	1		6010B	SPLP East	
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East	
Iron	100		0.20	0.20	mg/L	1		6010B	SPLP East	
Lead	0.052		0.0075	0.0075	mg/L	1		6010B	SPLP East	
Magnesium	27	B	2.5	0.50	mg/L	1		6010B	SPLP East	
Manganese	0.71		0.050	0.010	mg/L	1		6010B	SPLP East	
Nickel	0.11		0.025	0.010	mg/L	1		6010B	SPLP East	
Potassium	17	B	2.5	0.50	mg/L	1		6010B	SPLP East	
Vanadium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East	
Zinc	0.61	B	0.50	0.020	mg/L	1		6010B	SPLP East	
Thallium	0.0026		0.0020	0.0020	mg/L	1		6020A	SPLP East	
Mercury	0.021		0.018	0.0064	mg/Kg	1	☼	7471B	Total/NA	
pH	7.96		0.200	0.200	SU	1		9045D	Total/NA	

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4) (Continued)

Lab Sample ID: 500-103108-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.27	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.6		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	22		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	77000		110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	290		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.31	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1800		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	520		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	19		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.20		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.4	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.024	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.14	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.043	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0056		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	37	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.024	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	86		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.034		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.37		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.096		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	18	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.29	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0022		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.023		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	9.22		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

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

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) (Continued)

Lab Sample ID: 500-103108-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]pyrene	0.018	J	0.038	0.0074	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.030	J	0.038	0.0082	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.038	0.012	mg/Kg	1	☼	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.13	J	0.19	0.070	mg/Kg	1	☼	☼	8270D	Total/NA
Chrysene	0.020	J	0.038	0.010	mg/Kg	1	☼	☼	8270D	Total/NA
Fluoranthene	0.031	J	0.038	0.0071	mg/Kg	1	☼	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.014	J	0.038	0.0099	mg/Kg	1	☼	☼	8270D	Total/NA
Pyrene	0.024	J	0.038	0.0076	mg/Kg	1	☼	☼	8270D	Total/NA
Arsenic	9.1		0.54	0.25	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	32		0.54	0.10	mg/Kg	1	☼	☼	6010B	Total/NA
Beryllium	0.61		0.22	0.047	mg/Kg	1	☼	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.032	mg/Kg	1	☼	☼	6010B	Total/NA
Chromium	14	B	0.54	0.094	mg/Kg	1	☼	☼	6010B	Total/NA
Cobalt	11		0.27	0.062	mg/Kg	1	☼	☼	6010B	Total/NA
Copper	26		0.54	0.12	mg/Kg	1	☼	☼	6010B	Total/NA
Iron	19000		11	4.2	mg/Kg	1	☼	☼	6010B	Total/NA
Lead	15		0.27	0.14	mg/Kg	1	☼	☼	6010B	Total/NA
Magnesium	27000		5.4	2.2	mg/Kg	1	☼	☼	6010B	Total/NA
Calcium	68000		110	35	mg/Kg	10	☼	☼	6010B	Total/NA
Manganese	330		0.54	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Nickel	31		0.54	0.15	mg/Kg	1	☼	☼	6010B	Total/NA
Selenium	0.38	J	0.54	0.27	mg/Kg	1	☼	☼	6010B	Total/NA
Thallium	0.47	J	0.54	0.27	mg/Kg	1	☼	☼	6010B	Total/NA
Vanadium	15		0.27	0.079	mg/Kg	1	☼	☼	6010B	Total/NA
Zinc	68		1.1	0.34	mg/Kg	1	☼	☼	6010B	Total/NA
Potassium	1600		27	4.4	mg/Kg	1	☼	☼	6010B	Total/NA
Sodium	1200		54	7.2	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	390		2.5	0.50	mg/L	1			6010B	TCLP
Magnesium	81		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.84		0.050	0.010	mg/L	1			6010B	TCLP
Potassium	1.6	J	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.29	J B	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.021	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.21	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	28	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.039		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.010	J	0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.061		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	35		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.019		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	15	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.16		0.050	0.010	mg/L	1			6010B	SPLP East
Nickel	0.041		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	10	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.046		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.55	B	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.028		0.019	0.0067	mg/Kg	1	☼	☼	7471B	Total/NA
pH	8.66		0.200	0.200	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.018	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA	
Benzo[a]pyrene	0.025	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA	
Benzo[b]fluoranthene	0.047		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA	
Benzo[g,h,i]perylene	0.014	J	0.037	0.012	mg/Kg	1	☼	8270D	Total/NA	
Benzo[k]fluoranthene	0.016	J	0.037	0.011	mg/Kg	1	☼	8270D	Total/NA	
Chrysene	0.025	J	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	0.013	J	0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA	
Phenanthrene	0.0076	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA	
Pyrene	0.031	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA	
Antimony	0.46	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA	
Arsenic	10		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA	
Barium	30		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA	
Beryllium	0.65		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA	
Cadmium	0.15		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA	
Chromium	13	B	0.54	0.093	mg/Kg	1	☼	6010B	Total/NA	
Cobalt	12		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA	
Copper	29		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA	
Iron	19000		11	4.2	mg/Kg	1	☼	6010B	Total/NA	
Lead	20		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA	
Magnesium	24000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA	
Calcium	61000		110	35	mg/Kg	10	☼	6010B	Total/NA	
Manganese	320		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA	
Nickel	32		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	17		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA	
Zinc	63		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA	
Potassium	1700		27	4.4	mg/Kg	1	☼	6010B	Total/NA	
Sodium	1400		54	7.1	mg/Kg	1	☼	6010B	Total/NA	
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP	
Calcium	430		2.5	0.50	mg/L	1		6010B	TCLP	
Iron	0.24		0.20	0.20	mg/L	1		6010B	TCLP	
Magnesium	43		2.5	0.50	mg/L	1		6010B	TCLP	
Manganese	0.38		0.050	0.010	mg/L	1		6010B	TCLP	
Potassium	2.0	J	2.5	0.50	mg/L	1		6010B	TCLP	
Zinc	0.072	J ^ B	0.50	0.020	mg/L	1		6010B	TCLP	
Arsenic	0.088		0.050	0.010	mg/L	1		6010B	SPLP East	
Barium	0.46	J	0.50	0.050	mg/L	1		6010B	SPLP East	
Beryllium	0.0067		0.0040	0.0040	mg/L	1		6010B	SPLP East	
Cadmium	0.0032	J	0.0050	0.0020	mg/L	1		6010B	SPLP East	
Calcium	41	B	5.0	0.50	mg/L	1		6010B	SPLP East	
Chromium	0.14		0.025	0.010	mg/L	1		6010B	SPLP East	
Cobalt	0.050		0.025	0.010	mg/L	1		6010B	SPLP East	
Copper	0.22		0.025	0.010	mg/L	1		6010B	SPLP East	
Iron	160		0.20	0.20	mg/L	1		6010B	SPLP East	
Lead	0.088		0.0075	0.0075	mg/L	1		6010B	SPLP East	
Magnesium	36	B	2.5	0.50	mg/L	1		6010B	SPLP East	
Manganese	0.82		0.050	0.010	mg/L	1		6010B	SPLP East	
Nickel	0.18		0.025	0.010	mg/L	1		6010B	SPLP East	
Potassium	22	B	2.5	0.50	mg/L	1		6010B	SPLP East	

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup (Continued)

Lab Sample ID: 500-103108-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.50	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0041		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.037		0.017	0.0060	mg/Kg	1	*	7471B	Total/NA
pH	8.94		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.42	J	1.1	0.23	mg/Kg	1	*	6010B	Total/NA
Arsenic	11		0.56	0.26	mg/Kg	1	*	6010B	Total/NA
Barium	29		0.56	0.10	mg/Kg	1	*	6010B	Total/NA
Beryllium	0.59		0.22	0.048	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.15		0.11	0.032	mg/Kg	1	*	6010B	Total/NA
Chromium	12	B	0.56	0.096	mg/Kg	1	*	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1	*	6010B	Total/NA
Copper	27		0.56	0.12	mg/Kg	1	*	6010B	Total/NA
Iron	20000		11	4.3	mg/Kg	1	*	6010B	Total/NA
Lead	19		0.28	0.14	mg/Kg	1	*	6010B	Total/NA
Magnesium	31000		5.6	2.3	mg/Kg	1	*	6010B	Total/NA
Calcium	84000		110	36	mg/Kg	10	*	6010B	Total/NA
Manganese	430		0.56	0.11	mg/Kg	1	*	6010B	Total/NA
Nickel	33		0.56	0.15	mg/Kg	1	*	6010B	Total/NA
Selenium	0.49	J	0.56	0.28	mg/Kg	1	*	6010B	Total/NA
Vanadium	15		0.28	0.081	mg/Kg	1	*	6010B	Total/NA
Zinc	67		1.1	0.35	mg/Kg	1	*	6010B	Total/NA
Potassium	1500		28	4.6	mg/Kg	1	*	6010B	Total/NA
Sodium	1500		56	7.4	mg/Kg	1	*	6010B	Total/NA
Barium	0.22	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	21		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.25		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	0.69	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.16	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.073		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0050		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	39	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	130		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.076		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	32	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.51		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	20	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.49	J B	0.50	0.020	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5) (Continued)

Lab Sample ID: 500-103108-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.0037		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.019		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	9.32		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.46	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.0		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	18		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.48		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	10	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.3		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	21		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	13000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	33000		5.5	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	83000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	220		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	22		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.46	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	790		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.17	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0024	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	400		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	43		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.62		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J	2.5	0.50	mg/L	1		6010B	TCLP
Arsenic	0.058		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0042		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	35	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.039		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	100		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.055		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.43		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	20	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.45	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0035		0.0020	0.0020	mg/L	1		6020A	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10) (Continued)

Lab Sample ID: 500-103108-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.022		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.93		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0084	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.021	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	24		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.42		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	11	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	15000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	12	F1	0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	59000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	300		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.32	J F1	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.62		0.56	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	12		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	38	F1	1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500	F1	28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	140		56	7.4	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
Calcium	440		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.029		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	20		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.6		0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.068		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.31	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.12	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	30	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.27		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	8.1	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.060		0.050	0.010	mg/L	1		6010B	SPLP East
Potassium	2.9	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.093	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.024		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.18		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21) (Continued)

Lab Sample ID: 500-103108-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	0.015	J	0.038	0.0071	mg/Kg	1	☼	☼	8270D	Total/NA
Phenanthrene	0.040		0.038	0.0054	mg/Kg	1	☼	☼	8270D	Total/NA
Arsenic	8.3		0.54	0.25	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	29		0.54	0.099	mg/Kg	1	☼	☼	6010B	Total/NA
Beryllium	0.49		0.22	0.047	mg/Kg	1	☼	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.031	mg/Kg	1	☼	☼	6010B	Total/NA
Chromium	12	B	0.54	0.093	mg/Kg	1	☼	☼	6010B	Total/NA
Cobalt	11		0.27	0.061	mg/Kg	1	☼	☼	6010B	Total/NA
Copper	24	B	0.54	0.12	mg/Kg	1	☼	☼	6010B	Total/NA
Iron	16000		11	4.2	mg/Kg	1	☼	☼	6010B	Total/NA
Lead	13		0.27	0.13	mg/Kg	1	☼	☼	6010B	Total/NA
Magnesium	27000	B	5.4	2.2	mg/Kg	1	☼	☼	6010B	Total/NA
Calcium	73000		110	35	mg/Kg	10	☼	☼	6010B	Total/NA
Manganese	340		0.54	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Nickel	29		0.54	0.15	mg/Kg	1	☼	☼	6010B	Total/NA
Selenium	0.36	J	0.54	0.27	mg/Kg	1	☼	☼	6010B	Total/NA
Vanadium	14		0.27	0.079	mg/Kg	1	☼	☼	6010B	Total/NA
Zinc	50		1.1	0.34	mg/Kg	1	☼	☼	6010B	Total/NA
Potassium	1800		27	4.4	mg/Kg	1	☼	☼	6010B	Total/NA
Sodium	140		54	7.2	mg/Kg	1	☼	☼	6010B	Total/NA
Arsenic	0.015	J	0.050	0.010	mg/L	1			6010B	TCLP
Barium	0.55		0.50	0.050	mg/L	1			6010B	TCLP
Calcium	500		2.5	0.50	mg/L	1			6010B	TCLP
Cobalt	0.029		0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	23		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.6		0.050	0.010	mg/L	1			6010B	TCLP
Nickel	0.069		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	4.8		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.081	J B	0.50	0.020	mg/L	1			6010B	TCLP
Calcium	22	B	5.0	0.50	mg/L	1			6010B	SPLP East
Iron	0.36		0.20	0.20	mg/L	1			6010B	SPLP East
Magnesium	5.6	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.036	J	0.050	0.010	mg/L	1			6010B	SPLP East
Potassium	1.9	J B	2.5	0.50	mg/L	1			6010B	SPLP East
Mercury	0.021		0.019	0.0066	mg/Kg	1	☼	☼	7471B	Total/NA
pH	8.23		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Fluoranthene	0.0098	J	0.038	0.0071	mg/Kg	1	☼	☼	8270D	Total/NA
Pyrene	0.0086	J	0.038	0.0077	mg/Kg	1	☼	☼	8270D	Total/NA
Arsenic	10		0.58	0.27	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	59		0.58	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.050	mg/Kg	1	☼	☼	6010B	Total/NA
Cadmium	0.22		0.12	0.034	mg/Kg	1	☼	☼	6010B	Total/NA
Chromium	18	B	0.58	0.10	mg/Kg	1	☼	☼	6010B	Total/NA
Cobalt	15		0.29	0.066	mg/Kg	1	☼	☼	6010B	Total/NA
Copper	29	B	0.58	0.13	mg/Kg	1	☼	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5) (Continued)

Lab Sample ID: 500-103108-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	21000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	22000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	370		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	37		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.55	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	68		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.010	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	250		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	85		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.2		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	0.90	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.067	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.085		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.73		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0078		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0035	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	38	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.24		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	190		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.095		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	37	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.4		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.52	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0042		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.030		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	8.38		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.6		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10) (Continued)

Lab Sample ID: 500-103108-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Iron	18000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	24000	B	5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	64000		110	36	mg/Kg	10		☼	6010B	Total/NA
Manganese	300		0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	33		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Thallium	0.38	J	0.56	0.27	mg/Kg	1		☼	6010B	Total/NA
Vanadium	16		0.28	0.081	mg/Kg	1		☼	6010B	Total/NA
Zinc	60		1.1	0.35	mg/Kg	1		☼	6010B	Total/NA
Potassium	2300		28	4.5	mg/Kg	1		☼	6010B	Total/NA
Sodium	810		56	7.3	mg/Kg	1		☼	6010B	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	480		2.5	0.50	mg/L	1			6010B	TCLP
Magnesium	38		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.40		0.050	0.010	mg/L	1			6010B	TCLP
Potassium	1.5	J	2.5	0.50	mg/L	1			6010B	TCLP
Arsenic	0.079		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.44	J	0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0065		0.0040	0.0040	mg/L	1			6010B	SPLP East
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1			6010B	SPLP East
Calcium	56	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.050		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.22		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	150		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.071		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	46	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.65		0.050	0.010	mg/L	1			6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	27	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.15		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.68	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0057		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.027		0.017	0.0060	mg/Kg	1		☼	7471B	Total/NA
pH	8.31		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Phenanthrene	0.027	J	0.037	0.0053	mg/Kg	1		☼	8270D	Total/NA
Arsenic	9.3		0.55	0.25	mg/Kg	1		☼	6010B	Total/NA
Barium	19		0.55	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.41		0.22	0.047	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.25		0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	10	B	0.55	0.094	mg/Kg	1		☼	6010B	Total/NA
Cobalt	12		0.27	0.062	mg/Kg	1		☼	6010B	Total/NA
Copper	27	B	0.55	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	15000		11	4.2	mg/Kg	1		☼	6010B	Total/NA
Lead	14		0.27	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	30000	B	5.5	2.2	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15) (Continued)

Lab Sample ID: 500-103108-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	75000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	350		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.54	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.67		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	12		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	180		55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	400		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	22		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.6		0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.072		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.48	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.10	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.37		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.7	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.034	J	0.050	0.010	mg/L	1		6010B	SPLP East
Potassium	2.7	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.091	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.024		0.018	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	7.79		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.025		0.018	0.0035	mg/Kg	1	☼	8260B	Total/NA
Fluoranthene	0.0085	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.013	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	9.6		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	57		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	27	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000	B	5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	370		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.35	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.40	J	0.58	0.28	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5) (Continued)

Lab Sample ID: 500-103108-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	22		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	66		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.53		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	360		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.35		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	52		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	7.9	B	0.050	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
Arsenic	0.066		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.50		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0064		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	38	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.053		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	130		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.085		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	28	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.5		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	16	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.61	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0026		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.033		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.05		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.2		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	32	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4800	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	3000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	320		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	37		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.63		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10) (Continued)

Lab Sample ID: 500-103108-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	65		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	85		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.19	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	89		2.5	0.50	mg/L	1		6010B	TCLP
Copper	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.40		0.20	0.20	mg/L	1		6010B	TCLP
Lead	0.011		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	41		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.6	B	0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.026		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.4	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.076	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.11	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	16		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.011	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	4.4		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.7	F1	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.083		0.050	0.010	mg/L	1		6010B	SPLP East
Potassium	3.1	F1	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.046		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
pH	7.70		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.011	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.3		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	38		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.8		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	65000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	58		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	130		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	500		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	36		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.39	B	0.050	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15) (Continued)

Lab Sample ID: 500-103108-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	3.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.12	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.088	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	30		5.0	0.50	mg/L	1		6010B	SPLP East
Iron	0.27		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	8.4		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.034	J	0.050	0.010	mg/L	1		6010B	SPLP East
Potassium	1.5	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	7.93		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.032		0.019	0.0037	mg/Kg	1	☼	8260B	Total/NA
Fluoranthene	0.011	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.011	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.6		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	76		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.71		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000	B	5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	340		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.50	J	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	24		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	63		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	340		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.56		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	63		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.9	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.051	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.11		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.77		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0099		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0034	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	44		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.21		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5) (Continued)

Lab Sample ID: 500-103108-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.082		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	240		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.16		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	46		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.0		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	26		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.29		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.61		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0045		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.035		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.61		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0090	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.1		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	15		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000	B	5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	63000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.61		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	520		56	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	460		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.23		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	28		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.40	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	3.1		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.83	B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.049	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0050		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	56		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.037		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.13		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) (Continued)

Lab Sample ID: 500-103108-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	110		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.055		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	38		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.48		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.75		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0021		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.026		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.0097	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.4		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	40		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	20		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	61000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	530		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	43		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.56	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	66		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2400		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	580		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	420		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.39	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.2	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.051	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.023	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.27	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	51		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.070		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	58		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.029		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	26		2.5	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup (Continued)

Lab Sample ID: 500-103108-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.29		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.067		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	14		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.079		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.24	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.025		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.20		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.058		0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.049		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.8		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	32		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	66000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.42	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.40	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2500		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	220		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.20		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	26		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4	B	0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.069		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	5.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.32	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	49		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.043		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.034		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	21		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.010		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	19		2.5	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15) (Continued)

Lab Sample ID: 500-103108-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.38		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.041		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	12		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	1.4		0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.022		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	8.00		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	57		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.74		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	33	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	36		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	33000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	41		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.30	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	62		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	330		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.37		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	60		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.12	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.061	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.033	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.074		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	72		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.036		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	18		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.25		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.082		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	13		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.28	J	0.50	0.020	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5) (Continued)

Lab Sample ID: 500-103108-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.0026		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.062		0.018	0.0064	mg/Kg	1	☼	7471B	Total/NA
pH	8.60		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	30		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.59		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000	B	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	63000		120	38	mg/Kg	10	☼	6010B	Total/NA
Manganese	280		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.66		0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.40	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	63		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	570		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	420		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.60		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	38		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	3.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.23	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.022	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.23	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	40		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.044		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.072		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	40		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.026		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.22		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.049		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	11		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.38	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.026		0.020	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.29		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.3		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	61		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	30	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000	B	5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	27000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	500		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	39		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.32	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	48		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	320		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.73	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.6	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.057	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.019	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	25		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.047		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.055		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	38		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.019		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	15		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.28		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	9.5		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.18	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.018	J	0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.96		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.8		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	34		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.64		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.4		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11) (Continued)

Lab Sample ID: 500-103108-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	24	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000	B	5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	230		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	55		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2600		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	790		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	470		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	38		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.75	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.069	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	79		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.011	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	2.2		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	23		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.16		0.050	0.010	mg/L	1		6010B	SPLP East
Potassium	2.9		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.55		0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.024		0.020	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.72		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-3-G01

Lab Sample ID: 500-103108-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.0018	J	0.0030	0.0010	mg/L	1		6020A	Total Recoverable
Arsenic	0.12		0.0010	0.00044	mg/L	1		6020A	Total Recoverable
Barium	0.68		0.0025	0.00084	mg/L	1		6020A	Total Recoverable
Beryllium	0.0040		0.0010	0.00024	mg/L	1		6020A	Total Recoverable
Cadmium	0.0024		0.00050	0.00019	mg/L	1		6020A	Total Recoverable
Calcium	540	B	2.0	1.1	mg/L	10		6020A	Total Recoverable
Chromium	0.12		0.0050	0.00061	mg/L	1		6020A	Total Recoverable
Cobalt	0.083		0.0010	0.00019	mg/L	1		6020A	Total Recoverable
Copper	0.19		0.0020	0.00096	mg/L	1		6020A	Total Recoverable
Iron	190		1.0	0.26	mg/L	10		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-G01 (Continued)

Lab Sample ID: 500-103108-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.14		0.00050	0.00014	mg/L	1		6020A	Total Recoverable
Magnesium	270		2.0	0.83	mg/L	10		6020A	Total Recoverable
Manganese	3.3		0.0025	0.00099	mg/L	1		6020A	Total Recoverable
Nickel	0.23		0.0020	0.00053	mg/L	1		6020A	Total Recoverable
Potassium	25		0.50	0.19	mg/L	1		6020A	Total Recoverable
Selenium	0.0056		0.0025	0.00083	mg/L	1		6020A	Total Recoverable
Silver	0.00049	J	0.00050	0.000080	mg/L	1		6020A	Total Recoverable
Sodium	1900		2.0	0.88	mg/L	10		6020A	Total Recoverable
Thallium	0.0065		0.0020	0.00059	mg/L	1		6020A	Total Recoverable
Vanadium	0.096		0.050	0.022	mg/L	10		6020A	Total Recoverable
Zinc	0.72		0.020	0.0046	mg/L	1		6020A	Total Recoverable

Client Sample ID: Trip Blank

Lab Sample ID: 500-103108-24

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103108-1	2678-3-B01 (0-4)	Solid	10/26/15 11:00	10/27/15 11:50
500-103108-2	2678-3-B02 (0-4)	Solid	10/26/15 11:15	10/27/15 11:50
500-103108-3	2678-3-B03 (0-4)	Solid	10/26/15 11:30	10/27/15 11:50
500-103108-4	2678-3-B03 (0-4) Dup	Solid	10/26/15 11:35	10/27/15 11:50
500-103108-5	2678-3-B04 (0-5)	Solid	10/26/15 12:20	10/27/15 11:50
500-103108-6	2678-3-B04 (5-10)	Solid	10/26/15 12:25	10/27/15 11:50
500-103108-7	2678-3-B04 (10-15)	Solid	10/26/15 12:30	10/27/15 11:50
500-103108-8	2678-3-B04 (15-21)	Solid	10/26/15 12:35	10/27/15 11:50
500-103108-9	2678-3-B05 (0-5)	Solid	10/26/15 12:55	10/27/15 11:50
500-103108-10	2678-3-B05 (5-10)	Solid	10/26/15 13:00	10/27/15 11:50
500-103108-11	2678-3-B05 (10-15)	Solid	10/26/15 13:05	10/27/15 11:50
500-103108-12	2678-3-B06 (0-5)	Solid	10/26/15 13:25	10/27/15 11:50
500-103108-13	2678-3-B06 (5-10)	Solid	10/26/15 13:30	10/27/15 11:50
500-103108-14	2678-3-B06 (10-15)	Solid	10/26/15 13:35	10/27/15 11:50
500-103108-15	2678-3-B07 (0-5)	Solid	10/26/15 13:55	10/27/15 11:50
500-103108-16	2678-3-B07 (5-10)	Solid	10/26/15 14:00	10/27/15 11:50
500-103108-17	2678-3-B07 (5-10) Dup	Solid	10/26/15 14:05	10/27/15 11:50
500-103108-18	2678-3-B07 (10-15)	Solid	10/26/15 14:10	10/27/15 11:50
500-103108-19	2678-3-B08 (0-5)	Solid	10/26/15 14:25	10/27/15 11:50
500-103108-20	2678-3-B08 (5-11)	Solid	10/26/15 14:30	10/27/15 11:50
500-103108-21	2678-3-B09 (0-5)	Solid	10/26/15 15:15	10/27/15 11:50
500-103108-22	2678-3-B09 (5-11)	Solid	10/26/15 15:20	10/27/15 11:50
500-103108-23	2678-3-G01	Water	10/26/15 16:30	10/27/15 11:50
500-103108-24	Trip Blank	Water	10/26/15 00:00	10/27/15 11:50

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Date Collected: 10/26/15 11:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.0

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	☼	10/27/15 15:20	10/29/15 16:50	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Dibromochloromethane	<0.0046		0.0046	0.00052	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Methylene Chloride	<0.0046		0.0046	0.0034	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00072	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/27/15 15:20	10/29/15 16:50	1
Dibromofluoromethane	102		75 - 120	10/27/15 15:20	10/29/15 16:50	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/29/15 16:50	1
Toluene-d8 (Surr)	99		75 - 122	10/27/15 15:20	10/29/15 16:50	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	☼	11/01/15 19:47	11/04/15 03:13	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Benzo[a]anthracene	0.0068	J	0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Date Collected: 10/26/15 11:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.0

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	☼	11/01/15 19:47	11/04/15 03:13	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Benzo[g,h,i]perylene	<0.038	F1	0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Butyl benzyl phthalate	<0.19	F1	0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Chrysene	0.016	J	0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Hexachlorocyclopentadiene	<0.77	F1	0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Indeno[1,2,3-cd]pyrene	<0.038	F1	0.038	0.0099	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Date Collected: 10/26/15 11:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.0

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	☼	11/01/15 19:47	11/04/15 03:13	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Pentachlorophenol	<0.77	F1	0.77	0.61	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
Pyrene	0.016	J F1	0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		25 - 119	11/01/15 19:47	11/04/15 03:13	1
2-Fluorophenol	73		25 - 110	11/01/15 19:47	11/04/15 03:13	1
Nitrobenzene-d5	68		25 - 115	11/01/15 19:47	11/04/15 03:13	1
Phenol-d5	82		31 - 110	11/01/15 19:47	11/04/15 03:13	1
Terphenyl-d14	150	X	36 - 134	11/01/15 19:47	11/04/15 03:13	1
2,4,6-Tribromophenol	29	X	35 - 137	11/01/15 19:47	11/04/15 03:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.1	0.22	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Arsenic	8.1		0.54	0.25	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Barium	42		0.54	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Beryllium	0.63		0.22	0.047	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Cadmium	0.10	J	0.11	0.031	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Chromium	14	B	0.54	0.093	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Cobalt	12		0.27	0.061	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Copper	21		0.54	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Iron	17000		11	4.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Lead	15		0.27	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Magnesium	30000		5.4	2.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Calcium	81000		110	35	mg/Kg	☼	11/03/15 10:10	11/04/15 01:49	10
Manganese	360		0.54	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Nickel	28		0.54	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Vanadium	19		0.27	0.079	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Zinc	49		1.1	0.34	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Potassium	1700		27	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1
Sodium	1500		54	7.1	mg/Kg	☼	11/03/15 10:10	11/03/15 22:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Barium	0.37	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Date Collected: 10/26/15 11:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:23	1
Magnesium	53		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:23	1
Manganese	1.6		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Potassium	1.9	J	2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:23	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:23	1
Zinc	0.68	B	0.50	0.020	mg/L		10/30/15 10:30	11/03/15 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Barium	0.42	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 21:43	1
Beryllium	0.0046		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 21:43	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 21:43	1
Calcium	35	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 21:43	1
Chromium	0.10		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Cobalt	0.034		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Copper	0.14		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Iron	100		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 21:43	1
Lead	0.052		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 21:43	1
Magnesium	27	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 21:43	1
Manganese	0.71		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Nickel	0.11		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Potassium	17	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:16	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 21:43	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Vanadium	0.13		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:43	1
Zinc	0.61	B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 21:43	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		10/30/15 10:30	11/05/15 16:23	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:23	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:04	1
Thallium	0.0026		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B01 (0-4)

Lab Sample ID: 500-103108-1

Date Collected: 10/26/15 11:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.0

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		10/30/15 16:30	11/02/15 12:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0064	mg/Kg	☼	10/29/15 19:00	10/30/15 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:56	1
pH	7.96		0.200	0.200	SU			11/01/15 18:05	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

Date Collected: 10/26/15 11:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/29/15 17:14	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/29/15 17:14	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/27/15 15:20	10/29/15 17:14	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/29/15 17:14	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	☼	11/01/15 19:47	11/03/15 20:58	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

Date Collected: 10/26/15 11:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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	☼	11/01/15 19:47	11/03/15 20:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

Date Collected: 10/26/15 11:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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	0.37	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		25 - 119	11/01/15 19:47	11/03/15 20:58	1
2-Fluorophenol	72		25 - 110	11/01/15 19:47	11/03/15 20:58	1
Nitrobenzene-d5	71		25 - 115	11/01/15 19:47	11/03/15 20:58	1
Phenol-d5	79		31 - 110	11/01/15 19:47	11/03/15 20:58	1
Terphenyl-d14	91		36 - 134	11/01/15 19:47	11/03/15 20:58	1
2,4,6-Tribromophenol	64		35 - 137	11/01/15 19:47	11/03/15 20:58	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	☼	11/03/15 10:10	11/03/15 22:28	1
Arsenic	6.6		0.57	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Barium	46		0.57	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Beryllium	0.72		0.23	0.049	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Cadmium	0.12		0.11	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Chromium	16	B	0.57	0.098	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Cobalt	10		0.28	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Copper	22		0.57	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Iron	18000		11	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Lead	12		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Magnesium	25000		5.7	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Calcium	77000		110	37	mg/Kg	☼	11/03/15 10:10	11/04/15 01:53	10
Manganese	290		0.57	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Nickel	30		0.57	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Selenium	0.31	J	0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Vanadium	18		0.28	0.083	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Zinc	51		1.1	0.36	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Potassium	2000		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	1
Sodium	1800		57	7.5	mg/Kg	☼	11/03/15 10:10	11/03/15 22:28	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		10/30/15 10:30	10/30/15 19:28	1
Barium	0.44	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

Date Collected: 10/26/15 11:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	520		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:28	1
Magnesium	19		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:28	1
Manganese	0.20		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Potassium	1.4	J	2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:28	1
Selenium	0.024	J	0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:28	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:28	1
Zinc	0.14	J B	0.50	0.020	mg/L		10/30/15 10:30	11/03/15 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.043	J	0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Barium	0.45	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 21:50	1
Beryllium	0.0056		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 21:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 21:50	1
Calcium	37	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 21:50	1
Chromium	0.11		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Cobalt	0.024	J	0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Copper	0.11		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Iron	86		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 21:50	1
Lead	0.034		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 21:50	1
Magnesium	29	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 21:50	1
Manganese	0.37		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Nickel	0.096		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Potassium	18	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:20	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 21:50	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Vanadium	0.13		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:50	1
Zinc	0.29	J B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 21:50	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		10/30/15 10:30	11/05/15 16:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:24	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:25	1
Thallium	0.0022		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B02 (0-4)

Lab Sample ID: 500-103108-2

Date Collected: 10/26/15 11:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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		10/30/15 16:30	11/02/15 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:56	1
pH	9.22		0.200	0.200	SU			11/01/15 18:09	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

Date Collected: 10/26/15 11:30

Matrix: Solid

Date Received: 10/27/15 11:50

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	☼	10/27/15 15:20	10/29/15 17:39	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Bromoform	<0.0043		0.0043	0.00087	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Carbon tetrachloride	<0.0043		0.0043	0.00091	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Chloroethane	<0.0043	*	0.0043	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Chloroform	<0.0043		0.0043	0.00083	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00087	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00097	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,2-Dichloroethane	<0.0043		0.0043	0.00063	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,3-Dichloropropene, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/29/15 17:39	1
Dibromofluoromethane	110		75 - 120	10/27/15 15:20	10/29/15 17:39	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/27/15 15:20	10/29/15 17:39	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/29/15 17:39	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	☼	11/01/15 19:47	11/03/15 21:27	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Benzo[a]anthracene	0.014	J	0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

Date Collected: 10/26/15 11:30

Matrix: Solid

Date Received: 10/27/15 11:50

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	0.018	J	0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Benzo[b]fluoranthene	0.030	J	0.038	0.0082	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Benzo[g,h,i]perylene	0.015	J	0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Bis(2-ethylhexyl) phthalate	0.13	J	0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Chrysene	0.020	J	0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Fluoranthene	0.031	J	0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Indeno[1,2,3-cd]pyrene	0.014	J	0.038	0.0099	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

Date Collected: 10/26/15 11:30

Matrix: Solid

Date Received: 10/27/15 11:50

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	☼	11/01/15 19:47	11/03/15 21:27	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Pyrene	0.024	J	0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119				11/01/15 19:47	11/03/15 21:27	1
2-Fluorophenol	85		25 - 110				11/01/15 19:47	11/03/15 21:27	1
Nitrobenzene-d5	65		25 - 115				11/01/15 19:47	11/03/15 21:27	1
Phenol-d5	88		31 - 110				11/01/15 19:47	11/03/15 21:27	1
Terphenyl-d14	88		36 - 134				11/01/15 19:47	11/03/15 21:27	1
2,4,6-Tribromophenol	44		35 - 137				11/01/15 19:47	11/03/15 21:27	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	☼	11/03/15 10:10	11/03/15 22:33	1
Arsenic	9.1		0.54	0.25	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Barium	32		0.54	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Beryllium	0.61		0.22	0.047	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Cadmium	0.16		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Chromium	14	B	0.54	0.094	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Cobalt	11		0.27	0.062	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Copper	26		0.54	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Iron	19000		11	4.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Lead	15		0.27	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Magnesium	27000		5.4	2.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Calcium	68000		110	35	mg/Kg	☼	11/03/15 10:10	11/04/15 01:57	10
Manganese	330		0.54	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Nickel	31		0.54	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Selenium	0.38	J	0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Thallium	0.47	J	0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Vanadium	15		0.27	0.079	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Zinc	68		1.1	0.34	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Potassium	1600		27	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	1
Sodium	1200		54	7.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:33	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		10/30/15 10:30	10/30/15 19:33	1
Barium	0.30	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

Date Collected: 10/26/15 11:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:33	1
Magnesium	81		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:33	1
Manganese	0.84		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Potassium	1.6	J	2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:33	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:33	1
Zinc	0.29	J B	0.50	0.020	mg/L		10/30/15 10:30	11/03/15 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Barium	0.21	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 21:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 21:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 21:57	1
Calcium	28	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 21:57	1
Chromium	0.039		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Cobalt	0.010	J	0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Copper	0.061		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Iron	35		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 21:57	1
Lead	0.019		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 21:57	1
Magnesium	15	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 21:57	1
Manganese	0.16		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Nickel	0.041		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Potassium	10	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:24	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 21:57	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Vanadium	0.046		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 21:57	1
Zinc	0.55	B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 21:57	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		10/30/15 10:30	11/05/15 16:25	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:26	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4)

Lab Sample ID: 500-103108-3

Date Collected: 10/26/15 11:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.4

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		10/30/15 16:30	11/02/15 12:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:56	1
pH	8.66		0.200	0.200	SU			11/01/15 18:13	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Date Collected: 10/26/15 11:35

Matrix: Solid

Date Received: 10/27/15 11:50

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	0.0034	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Benzene	<0.0044		0.0044	0.00097	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Bromodichloromethane	<0.0044		0.0044	0.00074	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Bromoform	<0.0044		0.0044	0.00089	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Carbon tetrachloride	<0.0044		0.0044	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Chloroethane	<0.0044	*	0.0044	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Chloroform	<0.0044		0.0044	0.00085	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Chloromethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00089	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Dibromochloromethane	<0.0044		0.0044	0.00050	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,1-Dichloroethane	<0.0044		0.0044	0.00090	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,2-Dichloroethane	<0.0044		0.0044	0.00065	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,2-Dichloropropane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00090	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00069	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Tetrachloroethene	<0.0044		0.0044	0.00091	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00084	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1
Xylenes, Total	<0.0087		0.0087	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/29/15 18:03	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/29/15 18:03	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/27/15 15:20	10/29/15 18:03	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/29/15 18:03	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	☼	11/01/15 19:47	11/04/15 02:15	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Benzo[a]anthracene	0.018	J	0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Date Collected: 10/26/15 11:35

Matrix: Solid

Date Received: 10/27/15 11:50

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	0.025	J	0.037	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Benzo[b]fluoranthene	0.047		0.037	0.0080	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Benzo[g,h,i]perylene	0.014	J	0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Benzo[k]fluoranthene	0.016	J	0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Chrysene	0.025	J	0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Fluoranthene	0.027	J	0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Indeno[1,2,3-cd]pyrene	0.013	J	0.037	0.0096	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Methylnaphthalene	<0.037		0.037	0.0068	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Date Collected: 10/26/15 11:35

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.75		0.75	0.35	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Phenanthrene	0.0076	J	0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
Pyrene	0.031	J	0.037	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		25 - 119	11/01/15 19:47	11/04/15 02:15	1
2-Fluorophenol	66		25 - 110	11/01/15 19:47	11/04/15 02:15	1
Nitrobenzene-d5	66		25 - 115	11/01/15 19:47	11/04/15 02:15	1
Phenol-d5	77		31 - 110	11/01/15 19:47	11/04/15 02:15	1
Terphenyl-d14	117		36 - 134	11/01/15 19:47	11/04/15 02:15	1
2,4,6-Tribromophenol	66		35 - 137	11/01/15 19:47	11/04/15 02:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.22	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Arsenic	10		0.54	0.25	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Barium	30		0.54	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Beryllium	0.65		0.22	0.047	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Cadmium	0.15		0.11	0.031	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Chromium	13	B	0.54	0.093	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Cobalt	12		0.27	0.061	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Copper	29		0.54	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Iron	19000		11	4.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Lead	20		0.27	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Magnesium	24000		5.4	2.2	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Calcium	61000		110	35	mg/Kg	☼	11/03/15 10:10	11/04/15 02:01	10
Manganese	320		0.54	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Nickel	32		0.54	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Selenium	0.34	J	0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Vanadium	17		0.27	0.079	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Zinc	63		1.1	0.34	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Potassium	1700		27	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	1
Sodium	1400		54	7.1	mg/Kg	☼	11/03/15 10:10	11/03/15 22:38	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		10/30/15 10:30	10/30/15 19:38	1
Barium	0.33	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Date Collected: 10/26/15 11:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Iron	0.24		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:38	1
Magnesium	43		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:38	1
Manganese	0.38		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Potassium	2.0	J	2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:38	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:38	1
Zinc	0.072	J ^ B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.088		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Barium	0.46	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:04	1
Beryllium	0.0067		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:04	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:04	1
Calcium	41	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:04	1
Chromium	0.14		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Cobalt	0.050		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Copper	0.22		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Iron	160		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:04	1
Lead	0.088		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:04	1
Magnesium	36	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:04	1
Manganese	0.82		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Nickel	0.18		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Potassium	22	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:29	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:04	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Vanadium	0.17		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:04	1
Zinc	0.50	B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:04	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		10/30/15 10:30	11/05/15 16:26	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:26	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:27	1
Thallium	0.0041		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B03 (0-4) Dup

Lab Sample ID: 500-103108-4

Date Collected: 10/26/15 11:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.5

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		10/30/15 16:30	11/02/15 12:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.017	0.0060	mg/Kg	☼	10/29/15 19:00	10/30/15 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	11/02/15 15:40	11/02/15 18:57	1
pH	8.94		0.200	0.200	SU			11/01/15 18:17	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Date Collected: 10/26/15 12:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.6

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	☼	10/27/15 15:20	10/29/15 18:28	1
Benzene	<0.0045		0.0045	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	10/27/15 15:20	10/29/15 18:28	1
Dibromofluoromethane	107		75 - 120	10/27/15 15:20	10/29/15 18:28	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/29/15 18:28	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/29/15 18:28	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	☼	11/01/15 19:47	11/03/15 21:56	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Date Collected: 10/26/15 12:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.6

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	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Date Collected: 10/26/15 12:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.6

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	☼	11/01/15 19:47	11/03/15 21:56	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	11/01/15 19:47	11/03/15 21:56	1
2-Fluorophenol	76		25 - 110	11/01/15 19:47	11/03/15 21:56	1
Nitrobenzene-d5	73		25 - 115	11/01/15 19:47	11/03/15 21:56	1
Phenol-d5	82		31 - 110	11/01/15 19:47	11/03/15 21:56	1
Terphenyl-d14	95		36 - 134	11/01/15 19:47	11/03/15 21:56	1
2,4,6-Tribromophenol	69		35 - 137	11/01/15 19:47	11/03/15 21:56	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	☼	11/03/15 10:10	11/03/15 22:43	1
Arsenic	11		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Barium	29		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Beryllium	0.59		0.22	0.048	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Cadmium	0.15		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Chromium	12	B	0.56	0.096	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Cobalt	13		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Copper	27		0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Iron	20000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Lead	19		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Magnesium	31000		5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Calcium	84000		110	36	mg/Kg	☼	11/03/15 10:10	11/04/15 02:05	10
Manganese	430		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Nickel	33		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Selenium	0.49	J	0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Vanadium	15		0.28	0.081	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Zinc	67		1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Potassium	1500		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	1
Sodium	1500		56	7.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:43	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		10/30/15 10:30	11/02/15 15:42	1
Barium	0.22	J	0.50	0.050	mg/L		10/30/15 10:30	11/02/15 15:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 15:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 15:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Date Collected: 10/26/15 12:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 15:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 15:42	1
Magnesium	21		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:42	1
Manganese	0.25		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Potassium	0.69	J	2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 15:42	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:42	1
Zinc	0.16	J B	0.50	0.020	mg/L		10/30/15 10:30	11/02/15 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.073		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Barium	0.36	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:26	1
Beryllium	0.0050		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:26	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:26	1
Calcium	39	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:26	1
Chromium	0.11		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Cobalt	0.032		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Copper	0.18		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Iron	130		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:26	1
Lead	0.076		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:26	1
Magnesium	32	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:26	1
Manganese	0.51		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Nickel	0.14		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Potassium	20	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:33	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:26	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Vanadium	0.12		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:26	1
Zinc	0.49	J B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:26	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		10/30/15 10:30	11/05/15 16:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:28	1
Thallium	0.0037		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (0-5)

Lab Sample ID: 500-103108-5

Date Collected: 10/26/15 12:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.6

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		10/30/15 16:30	11/02/15 12:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0063	mg/Kg	☼	10/29/15 19:00	10/30/15 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	11/02/15 15:40	11/02/15 18:58	1
pH	9.32		0.200	0.200	SU			11/01/15 18:21	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Date Collected: 10/26/15 12:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Bromodichloromethane	<0.0050		0.0050	0.00085	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Carbon disulfide	<0.0050		0.0050	0.0019	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Chloroethane	<0.0050	*	0.0050	0.0021	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,2-Dichloroethane	<0.0050		0.0050	0.00075	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00080	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Toluene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/27/15 15:20	10/29/15 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/27/15 15:20	10/29/15 18:52	1
Dibromofluoromethane	110		75 - 120	10/27/15 15:20	10/29/15 18:52	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/27/15 15:20	10/29/15 18:52	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/29/15 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Date Collected: 10/26/15 12:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.5

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	0.0073	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Date Collected: 10/26/15 12:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.5

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	☼	11/01/15 19:47	11/03/15 22:24	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	53		25 - 119	11/01/15 19:47	11/03/15 22:24	1
2-Fluorophenol	53		25 - 110	11/01/15 19:47	11/03/15 22:24	1
Nitrobenzene-d5	47		25 - 115	11/01/15 19:47	11/03/15 22:24	1
Phenol-d5	60		31 - 110	11/01/15 19:47	11/03/15 22:24	1
Terphenyl-d14	82		36 - 134	11/01/15 19:47	11/03/15 22:24	1
2,4,6-Tribromophenol	47		35 - 137	11/01/15 19:47	11/03/15 22:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.23	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Arsenic	7.0		0.55	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Barium	18		0.55	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Beryllium	0.48		0.22	0.048	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Cadmium	0.16		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Chromium	10	B	0.55	0.095	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Cobalt	7.3		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Copper	21		0.55	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Iron	13000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Lead	13		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Magnesium	33000		5.5	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Calcium	83000		110	36	mg/Kg	☼	11/03/15 10:10	11/04/15 02:10	10
Manganese	220		0.55	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Nickel	22		0.55	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Selenium	0.43	J	0.55	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Thallium	0.46	J	0.55	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Vanadium	13		0.28	0.081	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Zinc	51		1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Potassium	1500		28	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1
Sodium	790		55	7.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Barium	0.17	J	0.50	0.050	mg/L		10/30/15 10:30	11/02/15 15:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 15:47	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 15:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Date Collected: 10/26/15 12:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 15:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 15:47	1
Magnesium	43		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:47	1
Manganese	0.62		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Potassium	1.9	J	2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 15:47	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:47	1
Zinc	<0.50		0.50	0.020	mg/L		10/30/15 10:30	11/02/15 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.058		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Barium	0.28	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:33	1
Beryllium	0.0042		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:33	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:33	1
Calcium	35	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:33	1
Chromium	0.10		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Cobalt	0.039		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Copper	0.14		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Iron	100		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:33	1
Lead	0.055		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:33	1
Magnesium	29	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:33	1
Manganese	0.43		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Nickel	0.13		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Potassium	20	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:37	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:33	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Vanadium	0.10		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:33	1
Zinc	0.45	J B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:33	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		10/30/15 10:30	11/05/15 16:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:29	1
Thallium	0.0035		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (5-10)

Lab Sample ID: 500-103108-6

Date Collected: 10/26/15 12:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.5

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		10/30/15 16:30	11/02/15 12:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0061	mg/Kg	☼	10/29/15 19:00	10/30/15 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:58	1
pH	8.93		0.200	0.200	SU			11/01/15 18:25	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Date Collected: 10/26/15 12:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Bromoform	<0.0048		0.0048	0.00097	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Chloromethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00097	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,1-Dichloroethane	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,1,1,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Tetrachloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00092	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/29/15 19:16	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/29/15 19:16	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/29/15 19:16	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/29/15 19:16	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	☼	11/01/15 19:47	11/03/15 22:53	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Date Collected: 10/26/15 12:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.3

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	0.0073	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Methylnaphthalene	0.0084	J	0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Date Collected: 10/26/15 12:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.3

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	☼	11/01/15 19:47	11/03/15 22:53	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Phenanthrene	0.021	J	0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		25 - 119	11/01/15 19:47	11/03/15 22:53	1
2-Fluorophenol	64		25 - 110	11/01/15 19:47	11/03/15 22:53	1
Nitrobenzene-d5	64		25 - 115	11/01/15 19:47	11/03/15 22:53	1
Phenol-d5	71		31 - 110	11/01/15 19:47	11/03/15 22:53	1
Terphenyl-d14	84		36 - 134	11/01/15 19:47	11/03/15 22:53	1
2,4,6-Tribromophenol	46		35 - 137	11/01/15 19:47	11/03/15 22:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1	F1	1.1	0.23	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Arsenic	6.7		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Barium	24		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Beryllium	0.42		0.22	0.048	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Cadmium	0.13		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Chromium	11	B	0.56	0.096	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Cobalt	12		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Copper	23	B	0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Iron	15000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Lead	12	F1	0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Magnesium	24000	B	5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Calcium	59000		110	36	mg/Kg	☼	11/03/15 10:10	11/03/15 23:21	10
Manganese	300		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Nickel	28		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Selenium	0.32	J F1	0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Thallium	0.62		0.56	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Vanadium	12		0.28	0.081	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Zinc	38	F1	1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Potassium	1500	F1	28	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	1
Sodium	140		56	7.4	mg/Kg	☼	11/03/15 10:10	11/03/15 20:07	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		10/30/15 10:30	11/02/15 15:53	1
Barium	0.55		0.50	0.050	mg/L		10/30/15 10:30	11/02/15 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 15:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 15:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Date Collected: 10/26/15 12:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	440		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Cobalt	0.029		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Copper	0.011	J	0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 15:53	1
Magnesium	20		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:53	1
Manganese	1.6		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Nickel	0.068		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Potassium	4.5		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 15:53	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:53	1
Zinc	0.31	J B	0.50	0.020	mg/L		10/30/15 10:30	11/02/15 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Barium	0.12	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:40	1
Calcium	30	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Copper	0.012	J	0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Iron	0.27		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:40	1
Magnesium	8.1	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:40	1
Manganese	0.060		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Potassium	2.9	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:41	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:40	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:40	1
Zinc	0.093	J B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:40	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		10/30/15 10:30	11/05/15 16:28	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:28	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:30	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (10-15)

Lab Sample ID: 500-103108-7

Date Collected: 10/26/15 12:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.3

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		10/30/15 16:30	11/02/15 12:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0060	mg/Kg	☼	10/29/15 19:00	10/30/15 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:58	1
pH	8.18		0.200	0.200	SU			11/01/15 18:33	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

Date Collected: 10/26/15 12:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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	☼	10/27/15 15:20	10/30/15 12:21	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/27/15 15:20	10/30/15 12:21	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/30/15 12:21	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 12:21	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/30/15 12:21	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	☼	11/01/15 19:47	11/03/15 23:22	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

Date Collected: 10/26/15 12:35

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Methylnaphthalene	0.015	J	0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

Date Collected: 10/26/15 12:35

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.78		0.78	0.37	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Phenanthrene	0.040		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		25 - 119	11/01/15 19:47	11/03/15 23:22	1
2-Fluorophenol	65		25 - 110	11/01/15 19:47	11/03/15 23:22	1
Nitrobenzene-d5	62		25 - 115	11/01/15 19:47	11/03/15 23:22	1
Phenol-d5	71		31 - 110	11/01/15 19:47	11/03/15 23:22	1
Terphenyl-d14	94		36 - 134	11/01/15 19:47	11/03/15 23:22	1
2,4,6-Tribromophenol	61		35 - 137	11/01/15 19:47	11/03/15 23:22	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	☼	11/03/15 10:10	11/03/15 20:31	1
Arsenic	8.3		0.54	0.25	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Barium	29		0.54	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Beryllium	0.49		0.22	0.047	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Cadmium	0.19		0.11	0.031	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Chromium	12 B		0.54	0.093	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Cobalt	11		0.27	0.061	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Copper	24 B		0.54	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Iron	16000		11	4.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Lead	13		0.27	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Magnesium	27000 B		5.4	2.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Calcium	73000		110	35	mg/Kg	☼	11/03/15 10:10	11/03/15 23:50	10
Manganese	340		0.54	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Nickel	29		0.54	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Selenium	0.36 J		0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Vanadium	14		0.27	0.079	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Zinc	50		1.1	0.34	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Potassium	1800		27	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1
Sodium	140		54	7.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:31	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015 J		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Barium	0.55		0.50	0.050	mg/L		10/30/15 10:30	11/02/15 15:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 15:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 15:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

Date Collected: 10/26/15 12:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Cobalt	0.029		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Copper	0.011	J	0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 15:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 15:58	1
Magnesium	23		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:58	1
Manganese	1.6		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Nickel	0.069		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Potassium	4.8		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 15:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 15:58	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 15:58	1
Zinc	0.081	J B	0.50	0.020	mg/L		10/30/15 10:30	11/02/15 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Barium	<0.50		0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:46	1
Calcium	22	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:46	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Iron	0.36		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:46	1
Magnesium	5.6	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:46	1
Manganese	0.036	J	0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Potassium	1.9	J B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:53	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:46	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:46	1
Zinc	<0.50		0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:46	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		10/30/15 10:30	11/05/15 16:31	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:31	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B04 (15-21)

Lab Sample ID: 500-103108-8

Date Collected: 10/26/15 12:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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		10/30/15 16:30	11/02/15 12:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:59	1
pH	8.23		0.200	0.200	SU			11/01/15 18:41	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Date Collected: 10/26/15 12:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Dibromochloromethane	<0.0048		0.0048	0.00056	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,2-Dichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00077	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/29/15 20:28	1
Dibromofluoromethane	107		75 - 120	10/27/15 15:20	10/29/15 20:28	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/27/15 15:20	10/29/15 20:28	1
Toluene-d8 (Surr)	95		75 - 122	10/27/15 15:20	10/29/15 20:28	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	☼	11/01/15 19:47	11/03/15 23:51	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Date Collected: 10/26/15 12:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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	☼	11/01/15 19:47	11/03/15 23:51	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Fluoranthene	0.0098	J	0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Date Collected: 10/26/15 12:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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	☼	11/01/15 19:47	11/03/15 23:51	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
Pyrene	0.0086	J	0.038	0.0077	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/03/15 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		25 - 119	11/01/15 19:47	11/03/15 23:51	1
2-Fluorophenol	70		25 - 110	11/01/15 19:47	11/03/15 23:51	1
Nitrobenzene-d5	68		25 - 115	11/01/15 19:47	11/03/15 23:51	1
Phenol-d5	72		31 - 110	11/01/15 19:47	11/03/15 23:51	1
Terphenyl-d14	93		36 - 134	11/01/15 19:47	11/03/15 23:51	1
2,4,6-Tribromophenol	58		35 - 137	11/01/15 19:47	11/03/15 23:51	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	☼	11/03/15 10:10	11/03/15 20:36	1
Arsenic	10		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Barium	59		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Beryllium	0.72		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Cadmium	0.22		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Chromium	18	B	0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Cobalt	15		0.29	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Copper	29	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Iron	21000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Lead	20		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Magnesium	14000	B	5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Calcium	22000		12	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Manganese	370		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Nickel	37		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Selenium	0.55	J	0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Vanadium	23		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Zinc	68		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Potassium	1800		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1
Sodium	1500		58	7.7	mg/Kg	☼	11/03/15 10:10	11/03/15 20:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Barium	0.44	J	0.50	0.050	mg/L		10/30/15 10:30	11/02/15 16:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 16:03	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 16:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Date Collected: 10/26/15 12:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	250		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Cobalt	0.015	J	0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 16:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 16:03	1
Magnesium	85		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:03	1
Manganese	4.2		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Potassium	0.90	J	2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 16:03	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:03	1
Zinc	0.067	J B	0.50	0.020	mg/L		10/30/15 10:30	11/02/15 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.085		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Barium	0.73		0.50	0.050	mg/L		11/03/15 16:04	11/04/15 22:53	1
Beryllium	0.0078		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 22:53	1
Cadmium	0.0035	J	0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 22:53	1
Calcium	38	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 22:53	1
Chromium	0.17		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Cobalt	0.059		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Copper	0.24		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Iron	190		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 22:53	1
Lead	0.095		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 22:53	1
Magnesium	37	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 22:53	1
Manganese	1.4		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Nickel	0.22		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Potassium	21	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 18:57	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 22:53	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Vanadium	0.22		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 22:53	1
Zinc	0.52	B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 22:53	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		10/30/15 10:30	11/05/15 16:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:32	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:33	1
Thallium	0.0042		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (0-5)

Lab Sample ID: 500-103108-9

Date Collected: 10/26/15 12:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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		10/30/15 16:30	11/02/15 12:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0063	mg/Kg	☼	10/29/15 19:00	10/30/15 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:41	1
pH	8.38		0.200	0.200	SU			11/01/15 18:37	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Date Collected: 10/26/15 13:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/27/15 15:20	10/29/15 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/27/15 15:20	10/29/15 20:52	1
Dibromofluoromethane	104		75 - 120	10/27/15 15:20	10/29/15 20:52	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/29/15 20:52	1
Toluene-d8 (Surr)	99		75 - 122	10/27/15 15:20	10/29/15 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Date Collected: 10/26/15 13:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.9

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	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Date Collected: 10/26/15 13:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.9

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	☼	11/01/15 19:47	11/04/15 00:20	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119	11/01/15 19:47	11/04/15 00:20	1
2-Fluorophenol	74		25 - 110	11/01/15 19:47	11/04/15 00:20	1
Nitrobenzene-d5	69		25 - 115	11/01/15 19:47	11/04/15 00:20	1
Phenol-d5	78		31 - 110	11/01/15 19:47	11/04/15 00:20	1
Terphenyl-d14	103		36 - 134	11/01/15 19:47	11/04/15 00:20	1
2,4,6-Tribromophenol	72		35 - 137	11/01/15 19:47	11/04/15 00:20	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	☼	11/03/15 10:10	11/03/15 20:41	1
Arsenic	7.6		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Barium	39		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Beryllium	0.58		0.22	0.048	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Cadmium	0.20		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Chromium	15 B		0.56	0.096	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Cobalt	13		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Copper	26 B		0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Iron	18000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Lead	14		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Magnesium	24000 B		5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Calcium	64000		110	36	mg/Kg	☼	11/03/15 10:10	11/03/15 23:58	10
Manganese	300		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Nickel	33		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Thallium	0.38 J		0.56	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Vanadium	16		0.28	0.081	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Zinc	60		1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Potassium	2300		28	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1
Sodium	810		56	7.3	mg/Kg	☼	11/03/15 10:10	11/03/15 20:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Barium	0.29 J		0.50	0.050	mg/L		10/30/15 10:30	11/02/15 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 16:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Date Collected: 10/26/15 13:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	480		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 16:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 16:09	1
Magnesium	38		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:09	1
Manganese	0.40		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Potassium	1.5 J		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 16:09	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:09	1
Zinc	<0.50		0.50	0.020	mg/L		10/30/15 10:30	11/02/15 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.079		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Barium	0.44 J		0.50	0.050	mg/L		11/03/15 16:04	11/04/15 23:00	1
Beryllium	0.0065		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 23:00	1
Cadmium	0.0029 J		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 23:00	1
Calcium	56 B		5.0	0.50	mg/L		11/03/15 16:04	11/04/15 23:00	1
Chromium	0.14		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Cobalt	0.050		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Copper	0.22		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Iron	150		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 23:00	1
Lead	0.071		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 23:00	1
Magnesium	46 B		2.5	0.50	mg/L		11/03/15 16:04	11/04/15 23:00	1
Manganese	0.65		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Nickel	0.19		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Potassium	27 B		2.5	0.50	mg/L		11/03/15 16:04	11/05/15 19:02	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 23:00	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Vanadium	0.15		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:00	1
Zinc	0.68 B		0.50	0.020	mg/L		11/03/15 16:04	11/04/15 23:00	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		10/30/15 10:30	11/05/15 16:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:33	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:34	1
Thallium	0.0057		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (5-10)

Lab Sample ID: 500-103108-10

Date Collected: 10/26/15 13:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.9

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		10/30/15 16:30	11/02/15 12:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.017	0.0060	mg/Kg	☼	10/29/15 19:00	10/30/15 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.51		0.51	0.17	mg/Kg	☼	11/02/15 18:35	11/02/15 20:42	1
pH	8.31		0.200	0.200	SU			11/02/15 14:00	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Date Collected: 10/26/15 13:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.1

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	☼	10/27/15 15:20	10/30/15 13:09	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 122	10/27/15 15:20	10/30/15 13:09	1
Dibromofluoromethane	107		75 - 120	10/27/15 15:20	10/30/15 13:09	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/30/15 13:09	1
Toluene-d8 (Surr)	107		75 - 122	10/27/15 15:20	10/30/15 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Date Collected: 10/26/15 13:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.1

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	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Date Collected: 10/26/15 13:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.1

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	☼	11/01/15 19:47	11/04/15 01:46	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Phenanthrene	0.027	J	0.037	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		25 - 119	11/01/15 19:47	11/04/15 01:46	1
2-Fluorophenol	64		25 - 110	11/01/15 19:47	11/04/15 01:46	1
Nitrobenzene-d5	64		25 - 115	11/01/15 19:47	11/04/15 01:46	1
Phenol-d5	75		31 - 110	11/01/15 19:47	11/04/15 01:46	1
Terphenyl-d14	107		36 - 134	11/01/15 19:47	11/04/15 01:46	1
2,4,6-Tribromophenol	74		35 - 137	11/01/15 19:47	11/04/15 01:46	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	☼	11/03/15 10:10	11/03/15 20:54	1
Arsenic	9.3		0.55	0.25	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Barium	19		0.55	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Beryllium	0.41		0.22	0.047	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Cadmium	0.25		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Chromium	10	B	0.55	0.094	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Cobalt	12		0.27	0.062	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Copper	27	B	0.55	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Iron	15000		11	4.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Lead	14		0.27	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Magnesium	30000	B	5.5	2.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Calcium	75000		110	35	mg/Kg	☼	11/03/15 10:10	11/04/15 00:02	10
Manganese	350		0.55	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Nickel	27		0.55	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Selenium	0.54	J	0.55	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Thallium	0.67		0.55	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Vanadium	12		0.27	0.080	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Zinc	53		1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Potassium	1500		27	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	1
Sodium	180		55	7.2	mg/Kg	☼	11/03/15 10:10	11/03/15 20:54	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		10/30/15 10:30	11/02/15 16:14	1
Barium	0.38	J	0.50	0.050	mg/L		10/30/15 10:30	11/02/15 16:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	11/02/15 16:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	11/02/15 16:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Date Collected: 10/26/15 13:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Cobalt	0.036		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Copper	0.017	J	0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	11/02/15 16:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	11/02/15 16:14	1
Magnesium	22		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:14	1
Manganese	1.6		0.050	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Nickel	0.072		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Potassium	4.2		2.5	0.50	mg/L		10/30/15 10:30	11/02/15 16:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	11/02/15 16:14	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	11/02/15 16:14	1
Zinc	0.48	J B	0.50	0.020	mg/L		10/30/15 10:30	11/02/15 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Barium	0.10	J	0.50	0.050	mg/L		11/03/15 16:04	11/04/15 23:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 23:07	1
Calcium	26	B	5.0	0.50	mg/L		11/03/15 16:04	11/04/15 23:07	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Copper	0.012	J	0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Iron	0.37		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 23:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 23:07	1
Magnesium	6.7	B	2.5	0.50	mg/L		11/03/15 16:04	11/04/15 23:07	1
Manganese	0.034	J	0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Potassium	2.7	B	2.5	0.50	mg/L		11/03/15 16:04	11/05/15 19:06	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 23:07	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:07	1
Zinc	0.091	J B	0.50	0.020	mg/L		11/03/15 16:04	11/04/15 23:07	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		10/30/15 10:30	11/05/15 16:34	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 16:34	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:35	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B05 (10-15)

Lab Sample ID: 500-103108-11

Date Collected: 10/26/15 13:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 86.1

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		10/30/15 16:30	11/02/15 12:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0062	mg/Kg	☼	10/29/15 19:00	10/30/15 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:42	1
pH	7.79		0.200	0.200	SU			11/02/15 14:05	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Date Collected: 10/26/15 13:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.025		0.018	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
2-Hexanone	<0.0046	*	0.0046	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
4-Methyl-2-pentanone (MIBK)	<0.0046	*	0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 00:43	1
Dibromofluoromethane	102		75 - 120	10/27/15 15:20	10/30/15 00:43	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/27/15 15:20	10/30/15 00:43	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 00:43	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	☼	11/01/15 19:47	11/04/15 02:44	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Date Collected: 10/26/15 13:25

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Fluoranthene	0.0085	J	0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Date Collected: 10/26/15 13:25

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.77		0.77	0.36	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
Pyrene	0.013	J	0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	57		25 - 119	11/01/15 19:47	11/04/15 02:44	1
2-Fluorophenol	59		25 - 110	11/01/15 19:47	11/04/15 02:44	1
Nitrobenzene-d5	49		25 - 115	11/01/15 19:47	11/04/15 02:44	1
Phenol-d5	62		31 - 110	11/01/15 19:47	11/04/15 02:44	1
Terphenyl-d14	132		36 - 134	11/01/15 19:47	11/04/15 02:44	1
2,4,6-Tribromophenol	64		35 - 137	11/01/15 19:47	11/04/15 02:44	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	☼	11/03/15 10:10	11/03/15 21:00	1
Arsenic	9.6		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Barium	57		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Beryllium	0.72		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Cadmium	0.21		0.12	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Chromium	17	B	0.58	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Cobalt	13		0.29	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Copper	27	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Iron	21000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Lead	20		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Magnesium	15000	B	5.8	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Calcium	25000		12	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Manganese	370		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Nickel	35		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Selenium	0.35	J	0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Thallium	0.40	J	0.58	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Vanadium	22		0.29	0.084	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Zinc	66		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Potassium	1800		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	1
Sodium	1100		58	7.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:00	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		11/01/15 18:00	11/02/15 13:48	1
Barium	0.53		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 13:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 13:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 13:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Date Collected: 10/26/15 13:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	360		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:48	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Iron	0.35		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 13:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 13:48	1
Magnesium	52		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:48	1
Manganese	7.9 B		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Potassium	2.3 J		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:48	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 13:48	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:48	1
Zinc	0.15 J B		0.50	0.020	mg/L		11/01/15 18:00	11/02/15 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Barium	0.50		0.50	0.050	mg/L		11/03/15 16:04	11/04/15 23:14	1
Beryllium	0.0064		0.0040	0.0040	mg/L		11/03/15 16:04	11/04/15 23:14	1
Cadmium	0.0025 J		0.0050	0.0020	mg/L		11/03/15 16:04	11/04/15 23:14	1
Calcium	38 B		5.0	0.50	mg/L		11/03/15 16:04	11/04/15 23:14	1
Chromium	0.12		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Cobalt	0.053		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Copper	0.18		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Iron	130		0.20	0.20	mg/L		11/03/15 16:04	11/04/15 23:14	1
Lead	0.085		0.0075	0.0075	mg/L		11/03/15 16:04	11/04/15 23:14	1
Magnesium	28 B		2.5	0.50	mg/L		11/03/15 16:04	11/04/15 23:14	1
Manganese	1.5		0.050	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Nickel	0.15		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Potassium	16 B		2.5	0.50	mg/L		11/03/15 16:04	11/05/15 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:04	11/04/15 23:14	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Vanadium	0.17		0.025	0.010	mg/L		11/03/15 16:04	11/04/15 23:14	1
Zinc	0.61 B		0.50	0.020	mg/L		11/03/15 16:04	11/04/15 23:14	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		11/01/15 18:00	11/05/15 16:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:36	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:04	11/05/15 18:36	1
Thallium	0.0026		0.0020	0.0020	mg/L		11/03/15 16:04	11/05/15 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (0-5)

Lab Sample ID: 500-103108-12

Date Collected: 10/26/15 13:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.9

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		11/02/15 14:30	11/03/15 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.019	0.0068	mg/Kg	☼	10/29/15 19:00	10/30/15 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	11/02/15 18:35	11/02/15 20:42	1
pH	8.05		0.200	0.200	SU			11/02/15 14:07	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Date Collected: 10/26/15 13:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0041	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Benzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Bromodichloromethane	<0.0053		0.0053	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Bromoform	<0.0053		0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Bromomethane	<0.0053		0.0053	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
2-Butanone (MEK)	<0.0053		0.0053	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Carbon disulfide	<0.0053		0.0053	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Carbon tetrachloride	<0.0053		0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Chlorobenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Chloroethane	<0.0053	*	0.0053	0.0022	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Chloroform	<0.0053		0.0053	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Chloromethane	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Dibromochloromethane	<0.0053		0.0053	0.00061	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,1-Dichloroethane	<0.0053		0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,2-Dichloroethane	<0.0053		0.0053	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,1-Dichloroethene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,2-Dichloropropane	<0.0053		0.0053	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,3-Dichloropropane, Total	<0.0053		0.0053	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Ethylbenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
2-Hexanone	<0.0053	*	0.0053	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Methylene Chloride	<0.0053		0.0053	0.0040	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
4-Methyl-2-pentanone (MIBK)	<0.0053	*	0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Methyl tert-butyl ether	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Styrene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.00085	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Tetrachloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Toluene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Trichloroethene	<0.0053		0.0053	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Vinyl acetate	<0.0053		0.0053	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Vinyl chloride	<0.0053		0.0053	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/27/15 15:20	10/30/15 01:07	1
Dibromofluoromethane	104		75 - 120	10/27/15 15:20	10/30/15 01:07	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/27/15 15:20	10/30/15 01:07	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 01:07	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	☼	11/01/15 19:47	11/04/15 00:49	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Date Collected: 10/26/15 13:30

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.039		0.039	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4-Chloroaniline	<0.79		0.79	0.19	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Date Collected: 10/26/15 13:30

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.79		0.79	0.37	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		25 - 119	11/01/15 19:47	11/04/15 00:49	1
2-Fluorophenol	184	X	25 - 110	11/01/15 19:47	11/04/15 00:49	1
Nitrobenzene-d5	46		25 - 115	11/01/15 19:47	11/04/15 00:49	1
Phenol-d5	71		31 - 110	11/01/15 19:47	11/04/15 00:49	1
Terphenyl-d14	88		36 - 134	11/01/15 19:47	11/04/15 00:49	1
2,4,6-Tribromophenol	89		35 - 137	11/01/15 19:47	11/04/15 00:49	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	☼	11/03/15 10:10	11/03/15 21:04	1
Arsenic	8.2		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Barium	39		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Beryllium	0.65		0.23	0.049	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Cadmium	0.22		0.11	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Chromium	18	B	0.56	0.097	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Cobalt	13		0.28	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Copper	32	B	0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Iron	21000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Lead	20		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Magnesium	4800	B	5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Calcium	3000		11	3.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Manganese	320		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Nickel	37		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Thallium	0.63		0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Vanadium	23		0.28	0.082	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Zinc	65		1.1	0.36	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Potassium	2100		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1
Sodium	85		56	7.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:04	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Barium	0.19	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 13:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 13:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 13:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Date Collected: 10/26/15 13:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:53	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Copper	0.024	J	0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Iron	0.40		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 13:53	1
Lead	0.011		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 13:53	1
Magnesium	41		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:53	1
Manganese	2.6	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Nickel	0.026		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Potassium	2.4	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:53	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 13:53	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:53	1
Zinc	0.076	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Barium	0.11	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 17:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 17:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 17:04	1
Calcium	16		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 17:04	1
Chromium	0.011	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Copper	0.017	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Iron	4.4		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 17:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 17:04	1
Magnesium	7.7	F1	2.5	0.50	mg/L		11/03/15 16:05	11/04/15 17:04	1
Manganese	0.083		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Potassium	3.1	F1	2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:01	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 17:04	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:04	1
Zinc	0.11	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 17:04	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		11/01/15 18:00	11/05/15 16:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:37	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (5-10)

Lab Sample ID: 500-103108-13

Date Collected: 10/26/15 13:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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		11/02/15 14:30	11/03/15 09:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.020	0.0069	mg/Kg	☼	10/29/15 19:00	10/30/15 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:43	1
pH	7.70		0.200	0.200	SU			11/02/15 14:10	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Date Collected: 10/26/15 13:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
2-Hexanone	<0.0047	*	0.0047	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/27/15 15:20	10/30/15 01:31	1
Dibromofluoromethane	102		75 - 120	10/27/15 15:20	10/30/15 01:31	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 01:31	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 01:31	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	☼	11/01/15 19:47	11/04/15 01:18	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Date Collected: 10/26/15 13:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Date Collected: 10/26/15 13:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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	☼	11/01/15 19:47	11/04/15 01:18	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
Pyrene	0.011	J	0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	11/01/15 19:47	11/04/15 01:18	1
2-Fluorophenol	91		25 - 110	11/01/15 19:47	11/04/15 01:18	1
Nitrobenzene-d5	75		25 - 115	11/01/15 19:47	11/04/15 01:18	1
Phenol-d5	85		31 - 110	11/01/15 19:47	11/04/15 01:18	1
Terphenyl-d14	98		36 - 134	11/01/15 19:47	11/04/15 01:18	1
2,4,6-Tribromophenol	50		35 - 137	11/01/15 19:47	11/04/15 01:18	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	☼	11/03/15 10:10	11/03/15 21:09	1
Arsenic	8.3		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Barium	38		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Beryllium	0.60		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Cadmium	0.21		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Chromium	16	B	0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Cobalt	8.8		0.29	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Copper	25	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Iron	19000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Lead	13		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Magnesium	24000	B	5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Calcium	65000		120	37	mg/Kg	☼	11/03/15 10:10	11/04/15 00:14	10
Manganese	310		0.58	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Nickel	31		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Vanadium	18		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Zinc	58		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Potassium	2300		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1
Sodium	130		58	7.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Barium	0.29	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 13:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 13:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 13:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Date Collected: 10/26/15 13:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:58	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Iron	<0.20		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 13:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 13:58	1
Magnesium	36		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:58	1
Manganese	0.39	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Potassium	3.4		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 13:58	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 13:58	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 13:58	1
Zinc	0.12	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Barium	0.088	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 17:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 17:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 17:31	1
Calcium	30		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 17:31	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Iron	0.27		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 17:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 17:31	1
Magnesium	8.4		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 17:31	1
Manganese	0.034	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Potassium	1.5	J	2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:25	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 17:31	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:31	1
Zinc	0.13	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 17:31	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		11/01/15 18:00	11/05/15 16:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:38	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B06 (10-15)

Lab Sample ID: 500-103108-14

Date Collected: 10/26/15 13:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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		11/02/15 14:30	11/03/15 09:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	11/02/15 18:35	11/02/15 20:43	1
pH	7.93		0.200	0.200	SU			11/02/15 14:12	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Date Collected: 10/26/15 13:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.032		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
2-Hexanone	<0.0048	*	0.0048	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
4-Methyl-2-pentanone (MIBK)	<0.0048	*	0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,1,1,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/27/15 15:20	10/30/15 01:55	1
Dibromofluoromethane	104		75 - 120	10/27/15 15:20	10/30/15 01:55	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 01:55	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/30/15 01:55	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	☼	11/01/15 19:47	11/04/15 17:46	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Date Collected: 10/26/15 13:55

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Fluoranthene	0.011	J	0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Date Collected: 10/26/15 13:55

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.77		0.77	0.36	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
Pyrene	0.011	J	0.038	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		25 - 119	11/01/15 19:47	11/04/15 17:46	1
2-Fluorophenol	75		25 - 110	11/01/15 19:47	11/04/15 17:46	1
Nitrobenzene-d5	70		25 - 115	11/01/15 19:47	11/04/15 17:46	1
Phenol-d5	68		31 - 110	11/01/15 19:47	11/04/15 17:46	1
Terphenyl-d14	100		36 - 134	11/01/15 19:47	11/04/15 17:46	1
2,4,6-Tribromophenol	90		35 - 137	11/01/15 19:47	11/04/15 17:46	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	☼	11/03/15 10:10	11/03/15 21:14	1
Arsenic	8.6		0.59	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Barium	76		0.59	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Beryllium	0.71		0.24	0.051	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Cadmium	0.25		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Chromium	18	B	0.59	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Cobalt	13		0.30	0.067	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Copper	23	B	0.59	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Iron	19000		12	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Lead	18		0.30	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Magnesium	14000	B	5.9	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Calcium	25000		12	3.8	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Manganese	340		0.59	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Nickel	33		0.59	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Selenium	0.50	J	0.59	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Vanadium	24		0.30	0.087	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Zinc	63		1.2	0.38	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Potassium	1900		30	4.8	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	1
Sodium	1200		59	7.8	mg/Kg	☼	11/03/15 10:10	11/03/15 21:14	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		11/01/15 18:00	11/02/15 14:03	1
Barium	0.43	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Date Collected: 10/26/15 13:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:03	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Cobalt	0.012	J	0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Iron	0.56		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:03	1
Magnesium	63		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:03	1
Manganese	4.9	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Potassium	2.3	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:03	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:03	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:03	1
Zinc	0.051	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Barium	0.77		0.50	0.050	mg/L		11/03/15 16:05	11/04/15 17:38	1
Beryllium	0.0099		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 17:38	1
Cadmium	0.0034	J	0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 17:38	1
Calcium	44		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 17:38	1
Chromium	0.21		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Cobalt	0.082		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Copper	0.26		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Iron	240		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 17:38	1
Lead	0.16		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 17:38	1
Magnesium	46		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 17:38	1
Manganese	2.0		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Nickel	0.26		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Potassium	26		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:30	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 17:38	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Vanadium	0.29		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:38	1
Zinc	0.61		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 17:38	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		11/01/15 18:00	11/05/15 16:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:39	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:45	1
Thallium	0.0045		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:08	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (0-5)

Lab Sample ID: 500-103108-15

Date Collected: 10/26/15 13:55

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.0

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		11/02/15 14:30	11/03/15 09:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	11/02/15 18:35	11/02/15 20:44	1
pH	8.61		0.200	0.200	SU			11/02/15 14:15	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Date Collected: 10/26/15 14:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
2-Hexanone	<0.0049	*	0.0049	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
4-Methyl-2-pentanone (MIBK)	<0.0049	*	0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,1,1,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 02:19	1
Dibromofluoromethane	108		75 - 120	10/27/15 15:20	10/30/15 02:19	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/30/15 02:19	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/30/15 02:19	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	☼	11/01/15 19:47	11/04/15 18:13	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Date Collected: 10/26/15 14:00

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.039		0.039	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Methylnaphthalene	<0.039		0.039	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Date Collected: 10/26/15 14:00

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.78		0.78	0.37	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Phenanthrene	0.0090	J	0.039	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		25 - 119	11/01/15 19:47	11/04/15 18:13	1
2-Fluorophenol	93		25 - 110	11/01/15 19:47	11/04/15 18:13	1
Nitrobenzene-d5	87		25 - 115	11/01/15 19:47	11/04/15 18:13	1
Phenol-d5	74		31 - 110	11/01/15 19:47	11/04/15 18:13	1
Terphenyl-d14	95		36 - 134	11/01/15 19:47	11/04/15 18:13	1
2,4,6-Tribromophenol	53		35 - 137	11/01/15 19:47	11/04/15 18:13	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	☼	11/03/15 10:10	11/03/15 21:19	1
Arsenic	7.1		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Barium	36		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Beryllium	0.61		0.22	0.048	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Cadmium	0.20		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Chromium	16	B	0.56	0.096	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Cobalt	15		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Copper	24	B	0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Iron	18000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Lead	14		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Magnesium	23000	B	5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Calcium	63000		110	36	mg/Kg	☼	11/03/15 10:10	11/04/15 00:22	10
Manganese	320		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Nickel	32		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Selenium	0.61		0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Vanadium	18		0.28	0.081	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Zinc	59		1.1	0.35	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Potassium	2200		28	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1
Sodium	520		56	7.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Barium	0.28	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:08	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Date Collected: 10/26/15 14:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	460		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:08	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Iron	0.23		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:08	1
Magnesium	28		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:08	1
Manganese	0.40	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Potassium	3.1		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:08	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:08	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:08	1
Zinc	0.83	B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Barium	0.34	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 17:44	1
Beryllium	0.0050		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 17:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 17:44	1
Calcium	56		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 17:44	1
Chromium	0.11		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Cobalt	0.037		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Copper	0.13		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Iron	110		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 17:44	1
Lead	0.055		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 17:44	1
Magnesium	38		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 17:44	1
Manganese	0.48		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Nickel	0.13		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Potassium	21		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:34	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 17:44	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Vanadium	0.12		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:44	1
Zinc	0.75		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 17:44	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		11/01/15 18:00	11/05/15 16:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:42	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:46	1
Thallium	0.0021		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10)

Lab Sample ID: 500-103108-16

Date Collected: 10/26/15 14:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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		11/02/15 14:30	11/03/15 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0063	mg/Kg	☼	10/29/15 19:00	10/30/15 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:44	1
pH	8.15		0.200	0.200	SU			11/02/15 14:17	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Date Collected: 10/26/15 14:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
2-Hexanone	<0.0045	*	0.0045	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
4-Methyl-2-pentanone (MIBK)	<0.0045	*	0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/27/15 15:20	10/30/15 02:43	1
Dibromofluoromethane	104		75 - 120	10/27/15 15:20	10/30/15 02:43	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 02:43	1
Toluene-d8 (Surr)	99		75 - 122	10/27/15 15:20	10/30/15 02:43	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	☼	11/01/15 19:47	11/04/15 18:39	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Date Collected: 10/26/15 14:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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	☼	11/01/15 19:47	11/04/15 18:39	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2-Nitrophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Date Collected: 10/26/15 14:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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	☼	11/01/15 19:47	11/04/15 18:39	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
Pyrene	0.0097	J	0.038	0.0077	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		25 - 119	11/01/15 19:47	11/04/15 18:39	1
2-Fluorophenol	94		25 - 110	11/01/15 19:47	11/04/15 18:39	1
Nitrobenzene-d5	92		25 - 115	11/01/15 19:47	11/04/15 18:39	1
Phenol-d5	81		31 - 110	11/01/15 19:47	11/04/15 18:39	1
Terphenyl-d14	95		36 - 134	11/01/15 19:47	11/04/15 18:39	1
2,4,6-Tribromophenol	56		35 - 137	11/01/15 19:47	11/04/15 18:39	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	☼	11/03/15 10:10	11/03/15 21:24	1
Arsenic	8.4		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Barium	40		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Beryllium	0.65		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Cadmium	0.25		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Chromium	17	B	0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Cobalt	20		0.29	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Copper	25	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Iron	20000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Lead	16		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Magnesium	23000	B	5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Calcium	61000		120	37	mg/Kg	☼	11/03/15 10:10	11/04/15 00:34	10
Manganese	530		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Nickel	43		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Selenium	0.56	J	0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Vanadium	19		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Zinc	66		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Potassium	2400		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1
Sodium	580		58	7.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:24	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Barium	0.26	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Date Collected: 10/26/15 14:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:13	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Iron	0.21		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:13	1
Magnesium	25		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:13	1
Manganese	0.39	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Potassium	2.2	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:13	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:13	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:13	1
Zinc	0.051	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Barium	0.27	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 17:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 17:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 17:51	1
Calcium	51		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 17:51	1
Chromium	0.070		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Cobalt	0.018	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Copper	0.073		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Iron	58		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 17:51	1
Lead	0.029		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 17:51	1
Magnesium	26		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 17:51	1
Manganese	0.29		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Nickel	0.067		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Potassium	14		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:39	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 17:51	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Vanadium	0.079		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 17:51	1
Zinc	0.24	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 17:51	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		11/01/15 18:00	11/05/15 16:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:43	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:12	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (5-10) Dup

Lab Sample ID: 500-103108-17

Date Collected: 10/26/15 14:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.9

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		11/02/15 14:30	11/03/15 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0065	mg/Kg	☼	10/29/15 19:00	10/30/15 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:45	1
pH	8.20		0.200	0.200	SU			11/02/15 14:20	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Date Collected: 10/26/15 14:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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	☼	10/27/15 15:20	10/30/15 03:07	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
2-Hexanone	<0.0045	*	0.0045	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
4-Methyl-2-pentanone (MIBK)	<0.0045	*	0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/27/15 15:20	10/30/15 03:07	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/30/15 03:07	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/27/15 15:20	10/30/15 03:07	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 03:07	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	☼	11/01/15 19:47	11/04/15 19:05	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Date Collected: 10/26/15 14:10

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.037		0.037	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Methylnaphthalene	0.058		0.037	0.0068	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Date Collected: 10/26/15 14:10

Matrix: Solid

Date Received: 10/27/15 11:50

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	0.35	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Phenanthrene	0.049		0.037	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	11/01/15 19:47	11/04/15 19:05	1
2-Fluorophenol	98		25 - 110	11/01/15 19:47	11/04/15 19:05	1
Nitrobenzene-d5	83		25 - 115	11/01/15 19:47	11/04/15 19:05	1
Phenol-d5	82		31 - 110	11/01/15 19:47	11/04/15 19:05	1
Terphenyl-d14	94		36 - 134	11/01/15 19:47	11/04/15 19:05	1
2,4,6-Tribromophenol	64		35 - 137	11/01/15 19:47	11/04/15 19:05	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	☼	11/03/15 10:10	11/03/15 21:29	1
Arsenic	6.8		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Barium	32		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Beryllium	0.61		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Cadmium	0.19		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Chromium	16 B		0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Cobalt	13		0.29	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Copper	24 B		0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Iron	17000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Lead	14		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Magnesium	25000 B		5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Calcium	66000		120	37	mg/Kg	☼	11/03/15 10:10	11/04/15 00:38	10
Manganese	310		0.58	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Nickel	34		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Selenium	0.42 J		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Thallium	0.40 J		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Vanadium	18		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Zinc	52		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Potassium	2500		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1
Sodium	220		58	7.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Barium	0.43 J		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:19	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Date Collected: 10/26/15 14:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:19	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Cobalt	0.023	J	0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Copper	0.011	J	0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Iron	0.20		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:19	1
Magnesium	26		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:19	1
Manganese	1.4	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Nickel	0.069		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Potassium	5.3		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:19	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:19	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:19	1
Zinc	0.32	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Barium	0.24	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:14	1
Calcium	49		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:14	1
Chromium	0.043		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Cobalt	0.017	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Copper	0.034		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Iron	21		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:14	1
Lead	0.010		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:14	1
Magnesium	19		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:14	1
Manganese	0.38		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Nickel	0.041		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Potassium	12		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:43	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:14	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Vanadium	0.050		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:14	1
Zinc	1.4		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 18:14	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		11/01/15 18:00	11/05/15 16:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:43	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B07 (10-15)

Lab Sample ID: 500-103108-18

Date Collected: 10/26/15 14:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.4

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		11/02/15 14:30	11/03/15 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0063	mg/Kg	☼	10/29/15 19:00	10/30/15 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	11/02/15 18:35	11/02/15 20:45	1
pH	8.00		0.200	0.200	SU			11/02/15 14:22	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Date Collected: 10/26/15 14:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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	☼	10/27/15 15:20	10/30/15 03:31	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Bromodichloromethane	<0.0049		0.0049	0.00083	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Chloroethane	<0.0049	*	0.0049	0.0021	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
2-Hexanone	<0.0049	*	0.0049	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
4-Methyl-2-pentanone (MIBK)	<0.0049	*	0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/30/15 03:31	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/30/15 03:31	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/27/15 15:20	10/30/15 03:31	1
Toluene-d8 (Surr)	95		75 - 122	10/27/15 15:20	10/30/15 03:31	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	☼	11/01/15 19:47	11/04/15 19:31	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Date Collected: 10/26/15 14:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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	☼	11/01/15 19:47	11/04/15 19:31	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Date Collected: 10/26/15 14:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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	☼	11/01/15 19:47	11/04/15 19:31	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/01/15 19:47	11/04/15 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	11/01/15 19:47	11/04/15 19:31	1
2-Fluorophenol	80		25 - 110	11/01/15 19:47	11/04/15 19:31	1
Nitrobenzene-d5	78		25 - 115	11/01/15 19:47	11/04/15 19:31	1
Phenol-d5	62		31 - 110	11/01/15 19:47	11/04/15 19:31	1
Terphenyl-d14	81		36 - 134	11/01/15 19:47	11/04/15 19:31	1
2,4,6-Tribromophenol	46		35 - 137	11/01/15 19:47	11/04/15 19:31	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	☼	11/03/15 10:10	11/03/15 21:35	1
Arsenic	11		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Barium	57		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Beryllium	0.74		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Cadmium	0.27		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Chromium	17 B		0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Cobalt	16		0.29	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Copper	33 B		0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Iron	22000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Lead	36		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Magnesium	20000 B		5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Calcium	33000		12	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Manganese	400		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Nickel	41		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Thallium	0.30 J		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Vanadium	21		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Zinc	62		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Potassium	2000		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	1
Sodium	1500		58	7.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:35	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		11/01/15 18:00	11/02/15 14:24	1
Barium	0.45 J		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Date Collected: 10/26/15 14:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	330		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:24	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Iron	0.37		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:24	1
Magnesium	60		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:24	1
Manganese	0.12	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Potassium	1.9	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:24	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:24	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:24	1
Zinc	0.061	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Barium	0.35	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:20	1
Calcium	24		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:20	1
Chromium	0.074		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Cobalt	0.017	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Copper	0.11		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Iron	72		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:20	1
Lead	0.036		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:20	1
Magnesium	18		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:20	1
Manganese	0.25		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Nickel	0.082		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Potassium	13		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:47	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:20	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Vanadium	0.093		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:20	1
Zinc	0.28	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 18:20	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		11/01/15 18:00	11/05/15 16:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:44	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:48	1
Thallium	0.0026		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (0-5)

Lab Sample ID: 500-103108-19

Date Collected: 10/26/15 14:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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		11/02/15 14:30	11/03/15 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.018	0.0064	mg/Kg	☼	10/29/15 19:00	10/30/15 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:45	1
pH	8.60		0.200	0.200	SU			11/02/15 14:25	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Date Collected: 10/26/15 14:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
2-Hexanone	<0.0047	*	0.0047	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 122	10/27/15 15:20	10/30/15 03:55	1
Dibromofluoromethane	102		75 - 120	10/27/15 15:20	10/30/15 03:55	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 03:55	1
Toluene-d8 (Surr)	101		75 - 122	10/27/15 15:20	10/30/15 03:55	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	☼	11/01/15 19:47	11/04/15 19:58	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Date Collected: 10/26/15 14:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.1

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	☼	11/01/15 19:47	11/04/15 19:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Date Collected: 10/26/15 14:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.1

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	☼	11/01/15 19:47	11/04/15 19:58	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 19:47	11/04/15 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	11/01/15 19:47	11/04/15 19:58	1
2-Fluorophenol	94		25 - 110	11/01/15 19:47	11/04/15 19:58	1
Nitrobenzene-d5	88		25 - 115	11/01/15 19:47	11/04/15 19:58	1
Phenol-d5	71		31 - 110	11/01/15 19:47	11/04/15 19:58	1
Terphenyl-d14	102		36 - 134	11/01/15 19:47	11/04/15 19:58	1
2,4,6-Tribromophenol	34	X	35 - 137	11/01/15 19:47	11/04/15 19:58	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	☼	11/03/15 10:10	11/03/15 21:40	1
Arsenic	10		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Barium	30		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Beryllium	0.59		0.23	0.051	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Cadmium	0.22		0.12	0.034	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Chromium	15	B	0.58	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Cobalt	12		0.29	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Copper	26	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Iron	20000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Lead	15		0.29	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Magnesium	25000	B	5.8	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Calcium	63000		120	38	mg/Kg	☼	11/03/15 10:10	11/04/15 00:46	10
Manganese	280		0.58	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Nickel	33		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Selenium	0.66		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Thallium	0.40	J	0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Vanadium	18		0.29	0.085	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Zinc	63		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Potassium	2200		29	4.8	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1
Sodium	570		58	7.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Barium	0.24	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Date Collected: 10/26/15 14:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:37	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Iron	0.60		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:37	1
Magnesium	38		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:37	1
Manganese	1.4 B		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Potassium	3.3		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:37	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:37	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:37	1
Zinc	0.23 J B		0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022 J		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Barium	0.23 J		0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:27	1
Calcium	40		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:27	1
Chromium	0.044		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Cobalt	0.013 J		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Copper	0.072		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Iron	40		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:27	1
Lead	0.026		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:27	1
Magnesium	21		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:27	1
Manganese	0.22		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Nickel	0.049		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Potassium	11		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:51	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:27	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Vanadium	0.050		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:27	1
Zinc	0.38 J		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 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		11/01/15 18:00	11/05/15 16:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:45	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B08 (5-11)

Lab Sample ID: 500-103108-20

Date Collected: 10/26/15 14:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.1

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		11/02/15 14:30	11/03/15 09:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0068	mg/Kg	☼	10/29/15 19:00	10/30/15 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	11/02/15 18:35	11/02/15 20:45	1
pH	8.29		0.200	0.200	SU			11/02/15 14:27	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Date Collected: 10/26/15 15:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
2-Hexanone	<0.0047	*	0.0047	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1
Xylenes, Total	<0.0095		0.0095	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 04:19	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/30/15 04:19	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/27/15 15:20	10/30/15 04:19	1
Toluene-d8 (Surr)	99		75 - 122	10/27/15 15:20	10/30/15 04:19	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	☼	11/01/15 20:03	11/02/15 19:58	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Date Collected: 10/26/15 15:15

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Benzo[g,h,i]perylene	<0.038	F1	0.038	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4-Dimethylphenol	<0.38	*	0.38	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4-Dinitrophenol	<0.78	* F1	0.78	0.68	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
4-Nitroaniline	<0.38	F2	0.38	0.16	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Date Collected: 10/26/15 15:15

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.78		0.78	0.37	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Pentachlorophenol	<0.78	F2	0.78	0.62	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4,5-Trichlorophenol	<0.38	F2	0.38	0.088	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	11/01/15 20:03	11/02/15 19:58	1
2-Fluorophenol	73		25 - 110	11/01/15 20:03	11/02/15 19:58	1
Nitrobenzene-d5	81		25 - 115	11/01/15 20:03	11/02/15 19:58	1
Phenol-d5	76		31 - 110	11/01/15 20:03	11/02/15 19:58	1
Terphenyl-d14	97		36 - 134	11/01/15 20:03	11/02/15 19:58	1
2,4,6-Tribromophenol	84		35 - 137	11/01/15 20:03	11/02/15 19:58	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	☼	11/03/15 10:10	11/03/15 21:52	1
Arsenic	9.3		0.57	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Barium	61		0.57	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Beryllium	0.72		0.23	0.049	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Cadmium	0.21		0.11	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Chromium	17 B		0.57	0.098	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Cobalt	16		0.28	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Copper	30 B		0.57	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Iron	21000		11	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Lead	17		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Magnesium	20000 B		5.7	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Calcium	27000		11	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Manganese	500		0.57	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Nickel	39		0.57	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Selenium	0.32 J		0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Vanadium	20		0.28	0.083	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Zinc	48		1.1	0.36	mg/Kg	☼	11/03/15 10:10	11/04/15 15:21	1
Potassium	1900		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1
Sodium	1300		57	7.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Barium	0.36 J		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Date Collected: 10/26/15 15:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	320		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:42	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Iron	<0.20		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:42	1
Magnesium	110		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:42	1
Manganese	0.73	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Potassium	1.6	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:42	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:42	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:42	1
Zinc	0.057	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Barium	0.25	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:34	1
Calcium	25		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:34	1
Chromium	0.047		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Cobalt	0.014	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Copper	0.055		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Iron	38		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:34	1
Lead	0.019		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:34	1
Magnesium	15		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:34	1
Manganese	0.28		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Nickel	0.050		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Potassium	9.5		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:55	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:34	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Vanadium	0.059		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:34	1
Zinc	0.18	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 18:34	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		11/01/15 18:00	11/05/15 16:46	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:46	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (0-5)

Lab Sample ID: 500-103108-21

Date Collected: 10/26/15 15:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.3

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		11/02/15 14:30	11/03/15 09:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	11/02/15 18:35	11/02/15 20:46	1
pH	8.96		0.200	0.200	SU			11/02/15 14:30	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Date Collected: 10/26/15 15:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
2-Hexanone	<0.0047	*	0.0047	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Vinyl acetate	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/27/15 15:20	10/30/15 04:43	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/30/15 04:43	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 04:43	1
Toluene-d8 (Surr)	101		75 - 122	10/27/15 15:20	10/30/15 04:43	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	☼	11/01/15 20:03	11/02/15 20:25	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Date Collected: 10/26/15 15:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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	☼	11/01/15 20:03	11/02/15 20:25	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4-Dimethylphenol	<0.38 *		0.38	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4-Dinitrophenol	<0.78 *		0.78	0.68	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Date Collected: 10/26/15 15:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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	☼	11/01/15 20:03	11/02/15 20:25	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	11/01/15 20:03	11/02/15 20:25	1
2-Fluorophenol	85		25 - 110	11/01/15 20:03	11/02/15 20:25	1
Nitrobenzene-d5	83		25 - 115	11/01/15 20:03	11/02/15 20:25	1
Phenol-d5	71		31 - 110	11/01/15 20:03	11/02/15 20:25	1
Terphenyl-d14	85		36 - 134	11/01/15 20:03	11/02/15 20:25	1
2,4,6-Tribromophenol	34	X	35 - 137	11/01/15 20:03	11/02/15 20:25	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	☼	11/03/15 10:10	11/03/15 21:57	1
Arsenic	7.8		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Barium	34		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Beryllium	0.64		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Cadmium	0.20		0.12	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Chromium	16	B	0.58	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Cobalt	8.4		0.29	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Copper	24	B	0.58	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Iron	19000		12	4.5	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Lead	13		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Magnesium	23000	B	5.8	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Calcium	62000		120	37	mg/Kg	☼	11/03/15 10:10	11/04/15 00:55	10
Manganese	230		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Nickel	31		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Vanadium	20		0.29	0.084	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Zinc	55		1.2	0.37	mg/Kg	☼	11/03/15 10:10	11/04/15 15:41	1
Potassium	2600		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1
Sodium	790		58	7.6	mg/Kg	☼	11/03/15 10:10	11/03/15 21:57	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Barium	0.31	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Date Collected: 10/26/15 15:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	470		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:47	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Iron	<0.20		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:47	1
Magnesium	38		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:47	1
Manganese	0.75	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Potassium	2.6		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:47	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:47	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:47	1
Zinc	0.069	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Barium	0.20	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:41	1
Calcium	79		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:41	1
Chromium	0.011	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Copper	0.019	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Iron	2.2		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:41	1
Magnesium	23		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:41	1
Manganese	0.16		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Potassium	2.9		2.5	0.50	mg/L		11/03/15 16:05	11/05/15 23:59	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:41	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:41	1
Zinc	0.55		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 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		11/01/15 18:00	11/05/15 16:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:47	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:26	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-B09 (5-11)

Lab Sample ID: 500-103108-22

Date Collected: 10/26/15 15:20

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 83.6

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		11/02/15 14:30	11/03/15 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.0068	mg/Kg	☼	10/29/15 19:00	10/30/15 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:46	1
pH	8.72		0.200	0.200	SU			11/02/15 14:32	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-G01

Lab Sample ID: 500-103108-23

Date Collected: 10/26/15 16:30

Matrix: Water

Date Received: 10/27/15 11:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			11/03/15 14:30	1
Benzene	<0.00050		0.00050	0.00015	mg/L			11/03/15 14:30	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:30	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			11/03/15 14:30	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			11/03/15 14:30	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			11/03/15 14:30	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			11/03/15 14:30	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:30	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			11/03/15 14:30	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:30	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			11/03/15 14:30	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			11/03/15 14:30	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			11/03/15 14:30	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			11/03/15 14:30	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			11/03/15 14:30	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:30	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:30	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			11/03/15 14:30	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			11/03/15 14:30	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			11/03/15 14:30	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			11/03/15 14:30	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			11/03/15 14:30	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			11/03/15 14:30	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			11/03/15 14:30	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:30	1
Styrene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:30	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			11/03/15 14:30	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:30	1
Toluene	<0.00050		0.00050	0.00015	mg/L			11/03/15 14:30	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			11/03/15 14:30	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			11/03/15 14:30	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			11/03/15 14:30	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			11/03/15 14:30	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			11/03/15 14:30	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			11/03/15 14:30	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			11/03/15 14:30	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			11/03/15 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 120		11/03/15 14:30	1
Dibromofluoromethane	98		75 - 120		11/03/15 14:30	1
1,2-Dichloroethane-d4 (Surr)	84		75 - 125		11/03/15 14:30	1
Toluene-d8 (Surr)	93		75 - 120		11/03/15 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0015		0.0015	0.00048	mg/L		10/28/15 17:46	10/29/15 17:57	1
Acenaphthylene	<0.0015		0.0015	0.00041	mg/L		10/28/15 17:46	10/29/15 17:57	1
Anthracene	<0.0015		0.0015	0.00051	mg/L		10/28/15 17:46	10/29/15 17:57	1
Benzo[a]anthracene	<0.00025		0.00025	0.000087	mg/L		10/28/15 17:46	10/29/15 17:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-G01

Lab Sample ID: 500-103108-23

Date Collected: 10/26/15 16:30

Matrix: Water

Date Received: 10/27/15 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.00031		0.00031	0.00015	mg/L		10/28/15 17:46	10/29/15 17:57	1
Benzo[b]fluoranthene	<0.00031		0.00031	0.00012	mg/L		10/28/15 17:46	10/29/15 17:57	1
Benzo[g,h,i]perylene	<0.0015		0.0015	0.00058	mg/L		10/28/15 17:46	10/29/15 17:57	1
Benzo[k]fluoranthene	<0.00031		0.00031	0.000099	mg/L		10/28/15 17:46	10/29/15 17:57	1
Bis(2-chloroethoxy)methane	<0.0031		0.0031	0.00044	mg/L		10/28/15 17:46	10/29/15 17:57	1
Bis(2-chloroethyl)ether	<0.0031		0.0031	0.00045	mg/L		10/28/15 17:46	10/29/15 17:57	1
Bis(2-ethylhexyl) phthalate	<0.015		0.015	0.0026	mg/L		10/28/15 17:46	10/29/15 17:57	1
4-Bromophenyl phenyl ether	<0.0077		0.0077	0.00083	mg/L		10/28/15 17:46	10/29/15 17:57	1
Butyl benzyl phthalate	<0.0031		0.0031	0.00074	mg/L		10/28/15 17:46	10/29/15 17:57	1
Carbazole	<0.0077		0.0077	0.00054	mg/L		10/28/15 17:46	10/29/15 17:57	1
4-Chloroaniline	<0.015		0.015	0.0031	mg/L		10/28/15 17:46	10/29/15 17:57	1
4-Chloro-3-methylphenol	<0.015		0.015	0.0035	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Chloronaphthalene	<0.0031		0.0031	0.00036	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Chlorophenol	<0.0077		0.0077	0.00086	mg/L		10/28/15 17:46	10/29/15 17:57	1
4-Chlorophenyl phenyl ether	<0.0077		0.0077	0.00098	mg/L		10/28/15 17:46	10/29/15 17:57	1
Chrysene	<0.00077		0.00077	0.00010	mg/L		10/28/15 17:46	10/29/15 17:57	1
Dibenz(a,h)anthracene	<0.00046		0.00046	0.000078	mg/L		10/28/15 17:46	10/29/15 17:57	1
Dibenzofuran	<0.0031		0.0031	0.00040	mg/L		10/28/15 17:46	10/29/15 17:57	1
1,2-Dichlorobenzene	<0.0031		0.0031	0.00038	mg/L		10/28/15 17:46	10/29/15 17:57	1
1,3-Dichlorobenzene	<0.0031		0.0031	0.00032	mg/L		10/28/15 17:46	10/29/15 17:57	1
1,4-Dichlorobenzene	<0.0031		0.0031	0.00032	mg/L		10/28/15 17:46	10/29/15 17:57	1
3,3'-Dichlorobenzidine	<0.0077		0.0077	0.0026	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4-Dichlorophenol	<0.015		0.015	0.0040	mg/L		10/28/15 17:46	10/29/15 17:57	1
Diethyl phthalate	<0.0031		0.0031	0.00056	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4-Dimethylphenol	<0.015		0.015	0.0028	mg/L		10/28/15 17:46	10/29/15 17:57	1
Dimethyl phthalate	<0.0031		0.0031	0.00048	mg/L		10/28/15 17:46	10/29/15 17:57	1
Di-n-butyl phthalate	<0.0077		0.0077	0.0011	mg/L		10/28/15 17:46	10/29/15 17:57	1
4,6-Dinitro-2-methylphenol	<0.031		0.031	0.0091	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4-Dinitrophenol	<0.031		0.031	0.013	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4-Dinitrotoluene	<0.0015		0.0015	0.00038	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,6-Dinitrotoluene	<0.00077		0.00077	0.00011	mg/L		10/28/15 17:46	10/29/15 17:57	1
Di-n-octyl phthalate	<0.015		0.015	0.0016	mg/L		10/28/15 17:46	10/29/15 17:57	1
Fluoranthene	<0.0015		0.0015	0.00070	mg/L		10/28/15 17:46	10/29/15 17:57	1
Fluorene	<0.0015		0.0015	0.00038	mg/L		10/28/15 17:46	10/29/15 17:57	1
Hexachlorobenzene	<0.00077		0.00077	0.00012	mg/L		10/28/15 17:46	10/29/15 17:57	1
Hexachlorobutadiene	<0.0077		0.0077	0.00079	mg/L		10/28/15 17:46	10/29/15 17:57	1
Hexachlorocyclopentadiene	<0.031		0.031	0.0098	mg/L		10/28/15 17:46	10/29/15 17:57	1
Hexachloroethane	<0.0077		0.0077	0.00092	mg/L		10/28/15 17:46	10/29/15 17:57	1
Indeno[1,2,3-cd]pyrene	<0.00031		0.00031	0.00012	mg/L		10/28/15 17:46	10/29/15 17:57	1
Isophorone	<0.0031		0.0031	0.00058	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Methylnaphthalene	<0.00077		0.00077	0.00010	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Methylphenol	<0.0031		0.0031	0.00047	mg/L		10/28/15 17:46	10/29/15 17:57	1
3 & 4 Methylphenol	<0.0031		0.0031	0.00069	mg/L		10/28/15 17:46	10/29/15 17:57	1
Naphthalene	<0.0015		0.0015	0.00048	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Nitroaniline	<0.0077		0.0077	0.0020	mg/L		10/28/15 17:46	10/29/15 17:57	1
3-Nitroaniline	<0.015		0.015	0.0028	mg/L		10/28/15 17:46	10/29/15 17:57	1
4-Nitroaniline	<0.015		0.015	0.0026	mg/L		10/28/15 17:46	10/29/15 17:57	1
Nitrobenzene	<0.0015		0.0015	0.00069	mg/L		10/28/15 17:46	10/29/15 17:57	1
2-Nitrophenol	<0.015		0.015	0.0038	mg/L		10/28/15 17:46	10/29/15 17:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: 2678-3-G01

Lab Sample ID: 500-103108-23

Date Collected: 10/26/15 16:30

Matrix: Water

Date Received: 10/27/15 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.031		0.031	0.011	mg/L		10/28/15 17:46	10/29/15 17:57	1
N-Nitrosodi-n-propylamine	<0.00077		0.00077	0.00024	mg/L		10/28/15 17:46	10/29/15 17:57	1
N-Nitrosodiphenylamine	<0.0015		0.0015	0.00057	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,2'-oxybis[1-chloropropane]	<0.0031		0.0031	0.00059	mg/L		10/28/15 17:46	10/29/15 17:57	1
Pentachlorophenol	<0.031		0.031	0.0061	mg/L		10/28/15 17:46	10/29/15 17:57	1
Phenanthrene	<0.0015		0.0015	0.00046	mg/L		10/28/15 17:46	10/29/15 17:57	1
Phenol	<0.0077		0.0077	0.0010	mg/L		10/28/15 17:46	10/29/15 17:57	1
Pyrene	<0.0015		0.0015	0.00066	mg/L		10/28/15 17:46	10/29/15 17:57	1
1,2,4-Trichlorobenzene	<0.0031		0.0031	0.00036	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4,5-Trichlorophenol	<0.015		0.015	0.0039	mg/L		10/28/15 17:46	10/29/15 17:57	1
2,4,6-Trichlorophenol	<0.0077		0.0077	0.0011	mg/L		10/28/15 17:46	10/29/15 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	58		41 - 132	10/28/15 17:46	10/29/15 17:57	1
2-Fluorophenol	61		32 - 110	10/28/15 17:46	10/29/15 17:57	1
Nitrobenzene-d5	70		47 - 134	10/28/15 17:46	10/29/15 17:57	1
Phenol-d5	56		25 - 100	10/28/15 17:46	10/29/15 17:57	1
Terphenyl-d14	106		59 - 150	10/28/15 17:46	10/29/15 17:57	1
2,4,6-Tribromophenol	87		53 - 150	10/28/15 17:46	10/29/15 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0018	J	0.0030	0.0010	mg/L		10/28/15 19:51	10/29/15 18:17	1
Arsenic	0.12		0.0010	0.00044	mg/L		10/28/15 19:51	11/02/15 11:32	1
Barium	0.68		0.0025	0.00084	mg/L		10/28/15 19:51	10/29/15 18:17	1
Beryllium	0.0040		0.0010	0.00024	mg/L		10/28/15 19:51	10/29/15 18:17	1
Cadmium	0.0024		0.00050	0.00019	mg/L		10/28/15 19:51	11/02/15 11:32	1
Calcium	540	B	2.0	1.1	mg/L		10/28/15 19:51	11/04/15 16:28	10
Chromium	0.12		0.0050	0.00061	mg/L		10/28/15 19:51	10/29/15 18:17	1
Cobalt	0.083		0.0010	0.00019	mg/L		10/28/15 19:51	10/29/15 18:17	1
Copper	0.19		0.0020	0.00096	mg/L		10/28/15 19:51	10/29/15 18:17	1
Iron	190		1.0	0.26	mg/L		10/28/15 19:51	11/02/15 11:41	10
Lead	0.14		0.00050	0.00014	mg/L		10/28/15 19:51	10/29/15 18:17	1
Magnesium	270		2.0	0.83	mg/L		10/28/15 19:51	11/02/15 11:41	10
Manganese	3.3		0.0025	0.00099	mg/L		10/28/15 19:51	10/29/15 18:17	1
Nickel	0.23		0.0020	0.00053	mg/L		10/28/15 19:51	10/29/15 18:17	1
Potassium	25		0.50	0.19	mg/L		10/28/15 19:51	10/29/15 18:17	1
Selenium	0.0056		0.0025	0.00083	mg/L		10/28/15 19:51	11/02/15 11:32	1
Silver	0.00049	J	0.00050	0.000080	mg/L		10/28/15 19:51	10/29/15 18:17	1
Sodium	1900		2.0	0.88	mg/L		10/28/15 19:51	11/05/15 13:23	10
Thallium	0.0065		0.0020	0.00059	mg/L		10/28/15 19:51	11/02/15 11:32	1
Vanadium	0.096		0.050	0.022	mg/L		10/28/15 19:51	11/02/15 11:41	10
Zinc	0.72		0.020	0.0046	mg/L		10/28/15 19:51	10/29/15 18:17	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000061	mg/L		10/27/15 17:30	10/28/15 10:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-103108-24

Date Collected: 10/26/15 00:00

Matrix: Water

Date Received: 10/27/15 11:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			11/03/15 14:04	1
Benzene	<0.00050		0.00050	0.00015	mg/L			11/03/15 14:04	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:04	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			11/03/15 14:04	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			11/03/15 14:04	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			11/03/15 14:04	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			11/03/15 14:04	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:04	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			11/03/15 14:04	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:04	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			11/03/15 14:04	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			11/03/15 14:04	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			11/03/15 14:04	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			11/03/15 14:04	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			11/03/15 14:04	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:04	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:04	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			11/03/15 14:04	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			11/03/15 14:04	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			11/03/15 14:04	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			11/03/15 14:04	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			11/03/15 14:04	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			11/03/15 14:04	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			11/03/15 14:04	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:04	1
Styrene	<0.0010		0.0010	0.00039	mg/L			11/03/15 14:04	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			11/03/15 14:04	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			11/03/15 14:04	1
Toluene	<0.00050		0.00050	0.00015	mg/L			11/03/15 14:04	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			11/03/15 14:04	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			11/03/15 14:04	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			11/03/15 14:04	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			11/03/15 14:04	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			11/03/15 14:04	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			11/03/15 14:04	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			11/03/15 14:04	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			11/03/15 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 120		11/03/15 14:04	1
Dibromofluoromethane	98		75 - 120		11/03/15 14:04	1
1,2-Dichloroethane-d4 (Surr)	85		75 - 125		11/03/15 14:04	1
Toluene-d8 (Surr)	94		75 - 120		11/03/15 14:04	1

TestAmerica Chicago

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
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.
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD is outside acceptance 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.
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.
^	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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-1

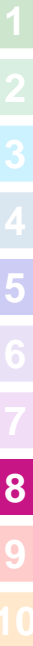
Laboratory: TestAmerica Chicago

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

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

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

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



TestAmerica

THE LEADER IN ENVIRONMENT/

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5



500-103108 COC

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103108
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: 3, 4, 2, 9, 3, 2, 2, 8

Client		Client Project #		Preservative		Parameter													
		<u>1157103</u>																	
Project Name		Project Location/State		Lab Project #		Lab PM													
		<u>Schaumburg, IL</u>				<u>Chad Kelly</u>													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Total 24 Inorganic	TCUP 24 Inorganic	SOLP 24 Inorganic	PH	Preservative Key		Comments						
			Date	Time							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
<u>1</u>		<u>2678-3-B01 (0-4)</u>	<u>10/26/15</u>	<u>11:00</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>2</u>		<u>2678-3-B02 (0-4)</u>	<u>10/26/15</u>	<u>11:15</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>3</u>		<u>2678-3-B03 (0-4)</u>	<u>10/26/15</u>	<u>11:30</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>4</u>		<u>2678-3-B03 (0-4) Dup</u>	<u>10/26/15</u>	<u>11:35</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>5</u>		<u>2678-3-B04 (0-5)</u>	<u>10/26/15</u>	<u>12:20</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>6</u>		<u>2678-3-B04 (5-10)</u>	<u>10/26/15</u>	<u>12:25</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>7</u>		<u>2678-3-B04 (10-15)</u>	<u>10/26/15</u>	<u>12:30</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>8</u>		<u>2678-3-B04 (15-21)</u>	<u>10/26/15</u>	<u>12:35</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>9</u>		<u>2678-3-B05 (0-5)</u>	<u>10/26/15</u>	<u>12:55</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
<u>10</u>		<u>2678-3-B05 (5-10)</u>	<u>10/26/15</u>	<u>1:00</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								

Turnaround Time Required (Business Days)

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

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>P. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>0930</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>1150</u>	Received By <u>Shirley</u>	Company <u>TA-CST</u>	Date <u>10/27/15</u>	Time <u>1150</u>

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments
Please meet IL TACO Requirements.
Please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Dr.
Naperville, IL 60540
 Address: 630-717-4263
 Phone: 630-357-9489
 Fax: matt.weiss@terracon.com
 E-Mail:

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

Chain of Custody Record

Lab Job #: 500-103/08

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key		
		<u>1157103</u>																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		
Project Name																				
Project Location/State		Lab Project #																		
<u>Schenmberg, IL</u>																				
Sampler		Lab PM																		
<u>Chad Kelly</u>																				
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total 24 Inorganics	TCAP 24 Inorganics	SPL 24 Inorganics	pH							Comments	
			Date	Time																
<u>11</u>		<u>2678-3-B05 (10-15)</u>	<u>10/26/15</u>	<u>1:05</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>12</u>		<u>2678-3-B06 (0-5)</u>	<u>10/26/15</u>	<u>1:25</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>13</u>		<u>2678-3-B06 (5-10)</u>	<u>10/26/15</u>	<u>1:30</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>14</u>		<u>2678-3-B06 (10-15)</u>	<u>10/26/15</u>	<u>1:35</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>15</u>		<u>2678-3-B07 (0-5)</u>	<u>10/26/15</u>	<u>1:55</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>16</u>		<u>2678-3-B07 (5-10)</u>	<u>10/26/15</u>	<u>2:00</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>17</u>		<u>2678-3-B07 (5-10) Dup</u>	<u>10/26/15</u>	<u>2:05</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>18</u>		<u>2678-3-B07 (10-15)</u>	<u>10/26/15</u>	<u>2:10</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>19</u>		<u>2678-3-B08 (0-5)</u>	<u>10/26/15</u>	<u>2:25</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>20</u>		<u>2678-3-B08 (5-11)</u>	<u>10/26/15</u>	<u>2:30</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>J. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>09:30</u>
Relinquished By <u>J. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>11:50</u>	Received By <u>Shirley Smith</u>	Company <u>TA-CPT</u>	Date <u>10/27/15</u>	Time <u>11:50</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier TA

Shipped _____

Hand Delivered _____

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

Client Comments
Please meet IL TACO requirements.
Please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: Matt Weiss
 Company: Ferraron
 Address: 135 Ambassador Dr.
 Address: Naperville, IL 60540
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: matt.weiss@ferraron.com

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

Chain of Custody Record

Lab Job #: SD0-103108
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Total 24		Inorganics		TCLP 24		Inorganics		SPLP 24		Inorganics		PH		Preservative Key	
Project Name		Lab Project #		Parameter		Parameter		Total 24		Inorganics		TCLP 24		Inorganics		SPLP 24		Inorganics		PH		Preservative Key	
Project Location/State		Lab Project #		Parameter		Parameter		Total 24		Inorganics		TCLP 24		Inorganics		SPLP 24		Inorganics		PH		Preservative Key	
Sampler		Lab PM		Parameter		Parameter		Total 24		Inorganics		TCLP 24		Inorganics		SPLP 24		Inorganics		PH		Preservative Key	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total 24	Inorganics	TCLP 24	Inorganics	SPLP 24	Inorganics	PH	Comments							
21		2678-3-Bo9 (0-5)	10/26/15	3:15	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓								
22		2678-3-Bo9 (5-11)	10/26/15	3:20	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓								

Turnaround Time Required (Business Days)

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

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 <u>Amyl Kelly</u>	Company <u>Ferraron</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>J. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>0930</u>
Relinquished By <u>J. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>1150</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CHI</u>	Date <u>10/27/15</u>	Time <u>1150</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments:
Please meet IL TACD Requirements.
Please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.6211

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Dr.
 Address: Naperville, IL 60540
 Phone: 630-712-4263
 Fax: 630-357-9489
 E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103108
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Comments		
		<u>11157103</u>						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		
Project Name		Lab Project #		Vocs		Suocs				
Project Location/State		Lab PM		Total 24		Inorganics				
Sampler										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix				
<u>23</u>		<u>2678-3-601</u>	<u>10/26/15</u>	<u>4:30</u>	<u>5</u>	<u>W</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>24</u>		<u>Trip blank</u>	<u>10/26/15</u>		<u>1</u>	<u>W</u>	<input checked="" type="checkbox"/>			

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>P. New</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>0930</u>
Relinquished By <u>P. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>1:50</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CPT</u>	Date <u>10/22/15</u>	Time <u>1:50</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: Please meet ILTAD requirements
Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103108-1

Login Number: 103108

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.4,2.9,3.2,2.8
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.	False	
Samples are received within Holding Time.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959-Higgins Road-WO #03A Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound) -West of N. Martingale Rd and Higgins Rd IDOT STA 121+58 to 122+70 (ISGS Site 2678-4)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959-Higgins Road-WO #03A

Latitude: 42.03799 Longitude: -88.03895

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 2678-4.
 See Exhibits 2, 2C and Table 4 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103108-2. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

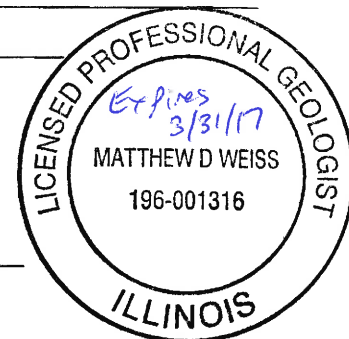
Matt Weiss

Printed Name:

[Signature]

12/11/15

Date:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-4)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 2

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-4-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		6.3
Barium	mg/kg	---	110	1500		43
Cadmium	mg/kg	---	0.6	5.2		0.23
Chromium, total	mg/kg	---	16.2	21		16
Lead	mg/kg	---	36	107		14
Mercury	mg/kg	---	0.06	0.1		0.023
Selenium	mg/kg	---	0.48	1.3		<0.60
Silver	mg/kg	---	0.55	4.4		<0.30
Antimony	mg/kg	---	4.0	5		<1.2
Beryllium	mg/kg	---	0.59	22		0.66
Calcium	mg/kg	---	9,300	---		63000
Cobalt	mg/kg	---	8.9	20		9
Copper	mg/kg	---	19.6	2900		24
Cyanide	mg/kg	---	0.51	---		<0.58
Iron	mg/kg	---	15,900	15000		17000
Magnesium	mg/kg	---	4,820	325000		23000
Manganese	mg/kg	---	636	630		260
Nickel	mg/kg	---	18	100		27
Potassium	mg/kg	---	1,268	---		2300
Sodium	mg/kg	---	130	---		1300
Thallium	mg/kg	---	0.32	2.6		<0.60
Vanadium	mg/kg	---	25.2	550		20
Zinc	mg/kg	---	95	5100		57
pH			6.25	9		8.02
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.089
Barium, SPLP	mg/L	---	---	---		0.67
Beryllium, SPLP	mg/L	---	---	---		0.011
Cadmium, SPLP	mg/L	---	---	---		0.0037
Calcium, SPLP	mg/L	---	---	---		54
Chromium, SPLP	mg/L	---	---	---		0.21
Cobalt, SPLP	mg/L	---	---	---		0.043
Copper, SPLP	mg/L	---	---	---		0.25
Iron, SPLP	mg/L	---	---	---		190
Lead, SPLP	mg/L	---	---	---		0.12
Magnesium, SPLP	mg/L	---	---	---		54
Manganese, SPLP	mg/L	---	---	---		0.72
Mercury, SPLP	mg/L	---	---	---		<0.00020
Nickel, SPLP	mg/L	---	---	---		0.17
Potassium, SPLP	mg/L	---	---	---		27
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025
Sodium, SPLP	mg/L	---	---	---		----
Thallium, SPLP	mg/L	---	---	---		0.0043
Vanadium, SPLP	mg/L	---	---	---		0.26
Zinc, SPLP	mg/L	---	---	---		0.59
Cyanide, SPLP	mg/L	---	---	---		----

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-4)

Schaumburg, IL

Terracon Project No. 11157103

Page 2 of 2

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-4-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015
Inorganic Analytical Parameters (TCLP)						
Arsenic, TCLP	mg/L	---	---	---		<0.050
Barium, TCLP	mg/L	---	---	---		0.45
Cadmium, TCLP	mg/L	---	---	---		<0.0050
Chromium, TCLP	mg/L	---	---	---		<0.025
Lead, TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		490
Cobalt, TCLP	mg/L	---	---	---		<0.025
Copper, TCLP	mg/L	---	---	---		<0.025
Cyanide, TCLP	mg/L	---	---	---		----
Iron, TCLP	mg/L	---	---	---		0.41
Magnesium, TCLP	mg/L	---	---	---		30
Manganese, TCLP	mg/L	---	---	---		0.47
Nickel, TCLP	mg/L	---	---	---		<0.025
Potassium, TCLP	mg/L	---	---	---		2.3
Sodium, TCLP	mg/L	---	---	---		----
Thallium, TCLP	mg/L	---	---	---		<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025
Zinc, TCLP	mg/L	---	---	---		0.051

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: 500-103108-2

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:

11/6/2015 5:06:54 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?



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.

1

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Certification Summary	12
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Receipt Checklists	14

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Job ID: 500-103108-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103108-2

Comments

No additional comments.

Receipt

The samples were received on 10/27/2015 11:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.8° C, 2.9° C, 3.2° C and 3.4° C.

Receipt Exceptions

GW lab sample 23 has limited sample and cyanide could not be analyzed. For lab samples 33-35, the COC has ID's of 2678-5-B05. Bottles have ID of 2678-5-B06, Samples logged per bottles.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 31203, 310173, and 310371 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following analytes recovered outside control limits for the LCSD associated with 31203: 2-Hexanone, Methyl isobutyl ketone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results 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) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 310585 had 2 analytes outside control limits: 2,4-Dinitrophenol at 6% and 2,4-Dimethylphenol at 47%; therefore, corrective action was not performed. These results have been reported and qualified. 2678-4-B01 (0-4) (500-103108-25)

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.3		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	43		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.66		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.0		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000	B	6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	63000		120	39	mg/Kg	10	☼	6010B	Total/NA
Manganese	260		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	490		2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.41		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	30		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.47	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.051	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.089		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.67		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.011		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0037	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	54		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.043		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	190		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	54		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.72		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	27		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.59		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0043		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.023		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.02		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103108-25	2678-4-B01 (0-4)	Solid	10/26/15 10:35	10/27/15 11:50

1

2

3

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Date Collected: 10/26/15 10:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
2-Hexanone	<0.0048	*	0.0048	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
4-Methyl-2-pentanone (MIBK)	<0.0048	*	0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/30/15 05:07	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/30/15 05:07	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/27/15 15:20	10/30/15 05:07	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/30/15 05:07	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	☼	11/01/15 20:03	11/02/15 20:51	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Date Collected: 10/26/15 10:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.1

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	0.0079	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4-Dimethylphenol	<0.40 *		0.40	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4-Dinitrophenol	<0.82 *		0.82	0.72	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Methylnaphthalene	<0.040		0.040	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Date Collected: 10/26/15 10:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.1

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	☼	11/01/15 20:03	11/02/15 20:51	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	11/01/15 20:03	11/02/15 20:51	1
2-Fluorophenol	80		25 - 110	11/01/15 20:03	11/02/15 20:51	1
Nitrobenzene-d5	82		25 - 115	11/01/15 20:03	11/02/15 20:51	1
Phenol-d5	72		31 - 110	11/01/15 20:03	11/02/15 20:51	1
Terphenyl-d14	87		36 - 134	11/01/15 20:03	11/02/15 20:51	1
2,4,6-Tribromophenol	77		35 - 137	11/01/15 20:03	11/02/15 20:51	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	☼	11/03/15 10:10	11/03/15 22:02	1
Arsenic	6.3		0.60	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Barium	43		0.60	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Beryllium	0.66		0.24	0.052	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Cadmium	0.23		0.12	0.035	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Chromium	16 B		0.60	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Cobalt	9.0		0.30	0.068	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Copper	24 B		0.60	0.13	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Iron	17000		12	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Lead	14		0.30	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Magnesium	23000 B		6.0	2.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Calcium	63000		120	39	mg/Kg	☼	11/03/15 10:10	11/04/15 00:59	10
Manganese	260		0.60	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Nickel	27		0.60	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Vanadium	20		0.30	0.088	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Zinc	57		1.2	0.38	mg/Kg	☼	11/03/15 10:10	11/04/15 15:48	1
Potassium	2300		30	4.9	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1
Sodium	1300		60	7.9	mg/Kg	☼	11/03/15 10:10	11/03/15 22:02	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Barium	0.45 J		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Date Collected: 10/26/15 10:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:52	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Iron	0.41		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:52	1
Magnesium	30		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:52	1
Manganese	0.47	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Potassium	2.3	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:52	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:52	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:52	1
Zinc	0.051	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.089		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Barium	0.67		0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:48	1
Beryllium	0.011		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:48	1
Cadmium	0.0037	J	0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:48	1
Calcium	54		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:48	1
Chromium	0.21		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Cobalt	0.043		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Copper	0.25		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Iron	190		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:48	1
Lead	0.12		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:48	1
Magnesium	54		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:48	1
Manganese	0.72		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Nickel	0.17		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Potassium	27		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:11	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:48	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Vanadium	0.26		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:48	1
Zinc	0.59		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 18:48	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		11/01/15 18:00	11/05/15 16:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:48	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:54	1
Thallium	0.0043		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Client Sample ID: 2678-4-B01 (0-4)

Lab Sample ID: 500-103108-25

Date Collected: 10/26/15 10:35

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.1

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		11/02/15 14:30	11/03/15 09:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:46	1
pH	8.02		0.200	0.200	SU			11/02/15 14:35	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-2

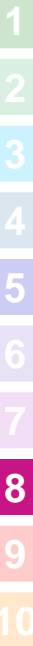
Laboratory: TestAmerica Chicago

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	04-30-16

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: 708.534.6200 Fax: 708.534.5211

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Drive
Naperville, IL 60540
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: matt.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103/08
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Total 24 Inorganics		TCUP 24 Inorganics		SPLP 24 Inorganics		pH		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
Project Name		Lab Project #		# of Containers		Matrix										
Lab ID	MS/MSD	Sample ID	Date	Time												
25		2078-4-001 (0-4)	10/26/15	10:35	6	S	VOCS	SUOCS	Total 24 Inorganics	TCUP 24 Inorganics	SPLP 24 Inorganics	pH				

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>0930</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>11:50</u>	Received By <u>[Signature]</u>	Company <u>TA-CRT</u>	Date <u>10/27/15</u>	Time <u>1150</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments
Please meet IL TACO requirements.
Please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103108-2

Login Number: 103108

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.4,2.9,3.2,2.8
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.	False	
Samples are received within Holding Time.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959-Higgins Road-WO #03A Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-West of N. Martingale Rd and Higgins Rd IDOT STA 122+40 to 126+10 (ISGS Site 2678-5)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959-Higgins Road-WO #03A

Latitude: 42.03799 Longitude: -88.03895

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, B04, and B06 were sampled adjacent to ISGS Site No 2678-5. See Exhibits 2, 2D and Table 6 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103108-3. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

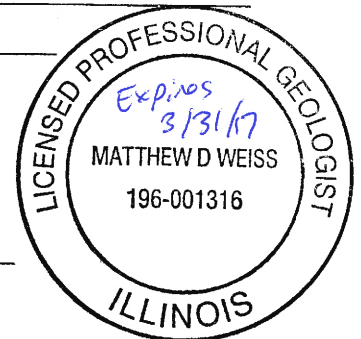
City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

[Signature]
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

12/11/15
Date:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 8

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B01 (0-4)	2678-5-B02 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.040	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.040	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.012	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		0.014	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.0092	<0.039
Pyrene	mg/kg	1.9	3.0	2300		0.0096	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.2	10
Barium	mg/kg	---	110	1500		56	69
Cadmium	mg/kg	---	0.6	5.2		0.21	0.24
Chromium, total	mg/kg	---	16.2	21		16	19
Lead	mg/kg	---	36	107		18	17
Mercury	mg/kg	---	0.06	0.1		0.033	0.03
Selenium	mg/kg	---	0.48	1.3		<0.56	<0.57
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.65	0.81
Calcium	mg/kg	---	9,300	---		13000	19000
Cobalt	mg/kg	---	8.9	20		17	14
Copper	mg/kg	---	19.6	2900		27	30
Cyanide	mg/kg	---	0.51	---		<0.60	<0.59
Iron	mg/kg	---	15,900	15000		19000	24000
Magnesium	mg/kg	---	4,820	325000		11000	14000
Manganese	mg/kg	---	636	630		400	420
Nickel	mg/kg	---	18	100		37	41
Potassium	mg/kg	---	1,268	---		1400	1900
Sodium	mg/kg	---	130	---		3000	750
Thallium	mg/kg	---	0.32	2.6		0.44	<0.57
Vanadium	mg/kg	---	25.2	550		21	26
Zinc	mg/kg	---	95	5100		55	65
pH			6.25	9		8.33	8.65
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.091	0.014
Barium,SPLP	mg/L	---	---	---		1	0.26
Beryllium,SPLP	mg/L	---	---	---		0.011	<0.0040
Cadmium,SPLP	mg/L	---	---	---		0.0039	<0.0050
Calcium,SPLP	mg/L	---	---	---		35	23
Chromium,SPLP	mg/L	---	---	---		0.26	0.046
Cobalt,SPLP	mg/L	---	---	---		0.056	<0.025
Copper,SPLP	mg/L	---	---	---		0.27	0.048
Iron,SPLP	mg/L	---	---	---		250	35
Lead,SPLP	mg/L	---	---	---		0.1	0.013
Magnesium,SPLP	mg/L	---	---	---		52	16
Manganese,SPLP	mg/L	---	---	---		0.85	0.14
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.22	0.036
Potassium,SPLP	mg/L	---	---	---		26	8.3
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0049	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.29	0.06
Zinc,SPLP	mg/L	---	---	---		0.75	0.2
Cyanide,SPLP	mg/L	---	---	---		----	----

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B01 (0-4)	2678-5-B02 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Inorganic Analytical Parameters (TCLP)							
Arsenic, TCLP	mg/L	---	---	---		<0.050	<0.050
Barium, TCLP	mg/L	---	---	---		0.41	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	---	---	---		220	370
Cobalt, TCLP	mg/L	---	---	---		<0.025	<0.025
Copper, TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide, TCLP	mg/L	---	---	---		----	----
Iron, TCLP	mg/L	---	---	---		0.23	<0.20
Magnesium, TCLP	mg/L	---	---	---		120	74
Manganese, TCLP	mg/L	---	---	---		0.35	0.053
Nickel, TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium, TCLP	mg/L	---	---	---		1.2	0.94
Sodium, TCLP	mg/L	---	---	---		----	----
Thallium, TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc, TCLP	mg/L	---	---	---		0.13	0.037

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B02 (0-4) Dup	2678-5-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.040	0.0075
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.040	0.011
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.040	0.016
Fluoranthene	mg/kg	2.7	4.1	3100		<0.040	0.012
Phenanthrene	mg/kg	1.3	2.5	210		<0.040	<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.040	0.012
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.3	7.6
Barium	mg/kg	---	110	1500		54	49
Cadmium	mg/kg	---	0.6	5.2		0.18	0.27
Chromium, total	mg/kg	---	16.2	21		17	19
Lead	mg/kg	---	36	107		14	20
Mercury	mg/kg	---	0.06	0.1		0.033	0.025
Selenium	mg/kg	---	0.48	1.3		<0.58	<0.55
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.2	0.65
Beryllium	mg/kg	---	0.59	22		0.71	0.72
Calcium	mg/kg	---	9,300	---		31000	77000
Cobalt	mg/kg	---	8.9	20		11	12
Copper	mg/kg	---	19.6	2900		24	22
Cyanide	mg/kg	---	0.51	---		<0.58	<0.57
Iron	mg/kg	---	15,900	15000		20000	20000
Magnesium	mg/kg	---	4,820	325000		18000	28000
Manganese	mg/kg	---	636	630		250	420
Nickel	mg/kg	---	18	100		33	28
Potassium	mg/kg	---	1,268	---		1900	2200
Sodium	mg/kg	---	130	---		660	1300
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.55
Vanadium	mg/kg	---	25.2	550		22	20
Zinc	mg/kg	---	95	5100		57	49
pH			6.25	9		8.62	8
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.027	0.071
Barium,SPLP	mg/L	---	---	---		0.38	0.53
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0065
Cadmium,SPLP	mg/L	---	---	---		<0.0050	0.0023
Calcium,SPLP	mg/L	---	---	---		31	52
Chromium,SPLP	mg/L	---	---	---		0.077	0.14
Cobalt,SPLP	mg/L	---	---	---		0.014	0.042
Copper,SPLP	mg/L	---	---	---		0.086	0.18
Iron,SPLP	mg/L	---	---	---		66	140
Lead,SPLP	mg/L	---	---	---		0.025	0.18
Magnesium,SPLP	mg/L	---	---	---		22	45
Manganese,SPLP	mg/L	---	---	---		0.22	0.76
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.074	0.16
Potassium,SPLP	mg/L	---	---	---		11	22
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		---	---
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0029
Vanadium,SPLP	mg/L	---	---	---		0.1	0.16
Zinc,SPLP	mg/L	---	---	---		0.27	0.44
Cyanide,SPLP	mg/L	---	---	---		---	---

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B02 (0-4) Dup	2678-5-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Inorganic Analytical Parameters (TCLP)							
Arsenic, TCLP	mg/L	---	---	---		<0.050	<0.050
Barium, TCLP	mg/L	---	---	---		0.32	0.4
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	---	---	---		340	500
Cobalt, TCLP	mg/L	---	---	---		<0.025	<0.025
Copper, TCLP	mg/L	---	---	---		<0.025	0.02
Cyanide, TCLP	mg/L	---	---	---		---	---
Iron, TCLP	mg/L	---	---	---		<0.20	0.42
Magnesium, TCLP	mg/L	---	---	---		64	30
Manganese, TCLP	mg/L	---	---	---		0.22	0.61
Nickel, TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium, TCLP	mg/L	---	---	---		<2.5	2
Sodium, TCLP	mg/L	---	---	---		---	---
Thallium, TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc, TCLP	mg/L	---	---	---		<0.50	0.16

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B04 (0-4)	2678-5-B06 (0-5)
				CCDD	Sample Depth (feet)	(0-4)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.036	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.036	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.036	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.036	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.036	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.036	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		12	7.6
Barium	mg/kg	---	110	1500		31	41
Cadmium	mg/kg	---	0.6	5.2		0.31	0.29
Chromium, total	mg/kg	---	16.2	21		15	20
Lead	mg/kg	---	36	107		25	12
Mercury	mg/kg	---	0.06	0.1		0.032	0.021
Selenium	mg/kg	---	0.48	1.3		<0.55	<0.59
Silver	mg/kg	---	0.55	4.4		<0.28	<0.30
Antimony	mg/kg	---	4.0	5		0.88	1.2
Beryllium	mg/kg	---	0.59	22		0.62	0.74
Calcium	mg/kg	---	9,300	---		59000	68000
Cobalt	mg/kg	---	8.9	20		12	8.6
Copper	mg/kg	---	19.6	2900		30	21
Cyanide	mg/kg	---	0.51	---		<0.56	<0.58
Iron	mg/kg	---	15,900	15000		22000	21000
Magnesium	mg/kg	---	4,820	325000		28000	26000
Manganese	mg/kg	---	636	630		460	320
Nickel	mg/kg	---	18	100		29	27
Potassium	mg/kg	---	1,268	---		1700	2500
Sodium	mg/kg	---	130	---		1300	940
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.59
Vanadium	mg/kg	---	25.2	550		19	21
Zinc	mg/kg	---	95	5100		57	53
pH			6.25	9		8.22	8.8
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.037	0.066
Barium,SPLP	mg/L	---	---	---		0.28	0.53
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0057
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		29	61
Chromium,SPLP	mg/L	---	---	---		0.059	0.13
Cobalt,SPLP	mg/L	---	---	---		0.02	0.04
Copper,SPLP	mg/L	---	---	---		0.094	0.2
Iron,SPLP	mg/L	---	---	---		62	130
Lead,SPLP	mg/L	---	---	---		0.043	0.084
Magnesium,SPLP	mg/L	---	---	---		18	45
Manganese,SPLP	mg/L	---	---	---		0.29	0.7
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.068	0.19
Potassium,SPLP	mg/L	---	---	---		12	28
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		---	---
Thallium,SPLP	mg/L	---	---	---		0.0023	0.0029
Vanadium,SPLP	mg/L	---	---	---		0.073	0.13
Zinc,SPLP	mg/L	---	---	---		0.28	0.51
Cyanide,SPLP	mg/L	---	---	---		---	---

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B04 (0-4)	2678-5-B06 (0-5)
				CCDD	Sample Depth (feet)	(0-4)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Inorganic Analytical Parameters (TCLP)							
Arsenic, TCLP	mg/L	---	---	---		<0.050	<0.050
Barium, TCLP	mg/L	---	---	---		0.33	0.35
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	---	---	---		450	540
Cobalt, TCLP	mg/L	---	---	---		<0.025	<0.025
Copper, TCLP	mg/L	---	---	---		0.017	<0.025
Cyanide, TCLP	mg/L	---	---	---		----	----
Iron, TCLP	mg/L	---	---	---		0.49	0.37
Magnesium, TCLP	mg/L	---	---	---		76	32
Manganese, TCLP	mg/L	---	---	---		0.8	0.79
Nickel, TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium, TCLP	mg/L	---	---	---		1.7	1.9
Sodium, TCLP	mg/L	---	---	---		----	----
Thallium, TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc, TCLP	mg/L	---	---	---		0.069	0.11

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-5)

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B06 (5-11)	2678-5-B06 (5-11) Dup
				CCDD	Sample Depth (feet)	(5-11)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.039	0.028
Pyrene	mg/kg	1.9	3.0	2300		<0.038	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.4	6.9
Barium	mg/kg	---	110	1500		35	33
Cadmium	mg/kg	---	0.6	5.2		0.2	0.32
Chromium, total	mg/kg	---	16.2	21		19	19
Lead	mg/kg	---	36	107		13	14
Mercury	mg/kg	---	0.06	0.1		0.026	0.024
Selenium	mg/kg	---	0.48	1.3		0.3	0.43
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		0.61	0.68
Beryllium	mg/kg	---	0.59	22		0.75	0.69
Calcium	mg/kg	---	9,300	---		58000	70000
Cobalt	mg/kg	---	8.9	20		7.4	9.7
Copper	mg/kg	---	19.6	2900		20	25
Cyanide	mg/kg	---	0.51	---		<0.58	<0.59
Iron	mg/kg	---	15,900	15000		22000	20000
Magnesium	mg/kg	---	4,820	325000		26000	27000
Manganese	mg/kg	---	636	630		270	310
Nickel	mg/kg	---	18	100		26	28
Potassium	mg/kg	---	1,268	---		2500	2600
Sodium	mg/kg	---	130	---		220	220
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.57
Vanadium	mg/kg	---	25.2	550		20	20
Zinc	mg/kg	---	95	5100		50	59
pH			6.25	9		8.25	8.35
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.012
Barium,SPLP	mg/L	---	---	---		0.21	0.28
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		31	52
Chromium,SPLP	mg/L	---	---	---		0.022	0.057
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.016
Copper,SPLP	mg/L	---	---	---		0.029	0.068
Iron,SPLP	mg/L	---	---	---		12	41
Lead,SPLP	mg/L	---	---	---		0.009	<0.038
Magnesium,SPLP	mg/L	---	---	---		11	24
Manganese,SPLP	mg/L	---	---	---		0.096	0.27
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.019	0.062
Potassium,SPLP	mg/L	---	---	---		8.6	17
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.022	0.063
Zinc,SPLP	mg/L	---	---	---		0.14	0.22
Cyanide,SPLP	mg/L	---	---	---		----	----

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-5-B06 (5-11)	2678-5-B06 (5-11) Dup
				CCDD	Sample Depth (feet)	(5-11)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/26/2015	10/26/2015
Inorganic Analytical Parameters (TCLP)							
Arsenic, TCLP	mg/L	---	---	---		<0.050	0.012
Barium, TCLP	mg/L	---	---	---		0.41	0.36
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	---	---	---		540	540
Cobalt, TCLP	mg/L	---	---	---		0.018	<0.025
Copper, TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide, TCLP	mg/L	---	---	---		----	----
Iron, TCLP	mg/L	---	---	---		0.26	0.21
Magnesium, TCLP	mg/L	---	---	---		42	42
Manganese, TCLP	mg/L	---	---	---		0.96	0.93
Nickel, TCLP	mg/L	---	---	---		0.055	0.023
Potassium, TCLP	mg/L	---	---	---		3.9	3.6
Sodium, TCLP	mg/L	---	---	---		----	----
Thallium, TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc, TCLP	mg/L	---	---	---		0.054	0.059

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: 500-103108-3

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Job ID: 500-103108-3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103108-3

Comments

No additional comments.

Receipt

The samples were received on 10/27/2015 11:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.8° C, 2.9° C, 3.2° C and 3.4° C.

Receipt Exceptions

GW lab sample 23 has limited sample and cyanide could not be analyzed. For lab samples 33-35, the COC has ID's of 2678-5-B05. Bottles have ID of 2678-5-B06, Samples logged per bottles.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 31203, 310173, and 310371 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following analytes recovered outside control limits for the LCSD associated with 31203: 2-Hexanone, Methyl isobutyl ketone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results 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) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 310585 had 2 analytes outside control limits: 2,4-Dinitrophenol at 6% and 2,4-Dimethylphenol at 47%; therefore, corrective action was not performed. These results have been reported and qualified. 2678-5-B01 (0-4) (500-103108-26), 2678-5-B02 (0-4) (500-103108-27), 2678-5-B02 (0-4) Dup (500-103108-28), 2678-5-B03 (0-4) (500-103108-29), 2678-5-B04 (0-4) (500-103108-30), 2678-5-B05 (0-5) (500-103108-31), 2678-5-B05 (5-11) (500-103108-32), 2678-5-B06 (0-5) (500-103108-33), 2678-5-B06 (5-11) (500-103108-34) and 2678-5-B06 (5-11) Dup (500-103108-35)

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

Metals

Method(s) 6010B: The following samples was diluted due to the abundance of non-target analytes: 2678-5-B06 (0-5) (500-103108-33), 2678-5-B06 (5-11) Dup (500-103108-35), (500-103108-A-33-H DU), (500-103108-A-33-I MS) and (500-103108-A-33-G SD). 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.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzofluoranthene	0.012	J	0.040	0.0087	mg/Kg	1		☼	8270D	Total/NA
Fluoranthene	0.014	J	0.040	0.0074	mg/Kg	1		☼	8270D	Total/NA
Phenanthrene	0.0092	J	0.040	0.0056	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.0096	J	0.040	0.0080	mg/Kg	1		☼	8270D	Total/NA
Arsenic	9.2		0.56	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	56		0.56	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.65		0.22	0.049	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.21		0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	16	B	0.56	0.096	mg/Kg	1		☼	6010B	Total/NA
Cobalt	17		0.28	0.063	mg/Kg	1		☼	6010B	Total/NA
Copper	27	B	0.56	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	19000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	18		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	11000	B	5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	13000		11	3.6	mg/Kg	1		☼	6010B	Total/NA
Manganese	400		0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	37		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Thallium	0.44	J	0.56	0.28	mg/Kg	1		☼	6010B	Total/NA
Vanadium	21		0.28	0.082	mg/Kg	1		☼	6010B	Total/NA
Zinc	55		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	1400		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	3000		56	7.4	mg/Kg	1		☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	220		2.5	0.50	mg/L	1			6010B	TCLP
Iron	0.23		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	120		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.35	B	0.050	0.010	mg/L	1			6010B	TCLP
Potassium	1.2	J	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.13	J B	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.091		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	1.0		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.011		0.0040	0.0040	mg/L	1			6010B	SPLP East
Cadmium	0.0039	J	0.0050	0.0020	mg/L	1			6010B	SPLP East
Calcium	35		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.26		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.056		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.27		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	250		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.10		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	52		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.85		0.050	0.010	mg/L	1			6010B	SPLP East
Nickel	0.22		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	26		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.29		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.75		0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0049		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.033		0.020	0.0070	mg/Kg	1		☼	7471B	Total/NA
pH	8.33		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) (Continued)

Lab Sample ID: 500-103108-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	10		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	69		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.81		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.24		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	30	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	24000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000	B	5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	19000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	420		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	41		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	26		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	65		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	750		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	74		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.053	B	0.050	0.010	mg/L	1		6010B	TCLP
Potassium	0.94	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.037	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.014	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.046		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.048		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	35		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.013		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	16		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.14		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.036		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	8.3		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.060		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.20	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.030		0.018	0.0064	mg/Kg	1	☼	7471B	Total/NA
pH	8.65		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.3		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	54		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.71		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.4	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup (Continued)

Lab Sample ID: 500-103108-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	14		0.29	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	18000	B	5.8	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	31000		12	3.7	mg/Kg	1		☼	6010B	Total/NA
Manganese	250		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	33		0.58	0.16	mg/Kg	1		☼	6010B	Total/NA
Vanadium	22		0.29	0.084	mg/Kg	1		☼	6010B	Total/NA
Zinc	57		1.2	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	1900		29	4.7	mg/Kg	1		☼	6010B	Total/NA
Sodium	660		58	7.6	mg/Kg	1		☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	340	B	5.0	0.50	mg/L	1			6010B	TCLP
Magnesium	64		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.22		0.050	0.010	mg/L	1			6010B	TCLP
Arsenic	0.027	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	31		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.077		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.014	J	0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.086		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	66		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.025		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	22		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.22		0.050	0.010	mg/L	1			6010B	SPLP East
Nickel	0.074		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	11		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.10		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.27	J	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.033		0.019	0.0067	mg/Kg	1		☼	7471B	Total/NA
pH	8.62		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0075	J	0.039	0.0052	mg/Kg	1		☼	8270D	Total/NA
Benzo[a]pyrene	0.011	J	0.039	0.0075	mg/Kg	1		☼	8270D	Total/NA
Benzo[b]fluoranthene	0.016	J	0.039	0.0084	mg/Kg	1		☼	8270D	Total/NA
Fluoranthene	0.012	J	0.039	0.0072	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.012	J	0.039	0.0077	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.65	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	7.6		0.55	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	49		0.55	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.72		0.22	0.048	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.27		0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	19	B	0.55	0.095	mg/Kg	1		☼	6010B	Total/NA
Cobalt	12		0.28	0.062	mg/Kg	1		☼	6010B	Total/NA
Copper	22		0.55	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	20000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	20		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	28000		5.5	2.2	mg/Kg	1		☼	6010B	Total/NA
Calcium	77000		110	36	mg/Kg	10		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4) (Continued)

Lab Sample ID: 500-103108-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	420		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	49		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.40	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	500	B	5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.42		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	30		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.61		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.16	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.071		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.53		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0065		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	52		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.18		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	45		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.76		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	22		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.44	J	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0029		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.025		0.020	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.00		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.88	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	31		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	25		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	28000		5.5	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	59000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	460		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4) (Continued)

Lab Sample ID: 500-103108-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	29		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450	B	5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.49		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	76		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.80		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.7	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.069	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.037	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	29		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	62		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.043		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	18		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.29		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.068		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	12		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.28	J	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0023		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.032		0.017	0.0059	mg/Kg	1	☼	7471B	Total/NA
pH	8.22		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.56	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	28		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.28		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	29000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	68000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	440		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	55		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5) (Continued)

Lab Sample ID: 500-103108-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1900		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	420	B	5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.63		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	53		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.53		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	2.2	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.31	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.089		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0061		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	41		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.23		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	150		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.080		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	37		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.48		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	25		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.59		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0033		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.024		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.28		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.014	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.043		0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.046		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.58	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	18		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	32		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	28000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	76000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	330		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11) (Continued)

Lab Sample ID: 500-103108-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	30		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.36	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Silver	0.072	J	0.27	0.064	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2600		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	420		55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	500	B	5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.35		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	38		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.78		0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.041		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.070	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.16	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	30		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.023	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	6.1		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	11		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.061		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.4		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.025		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	7.87		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.2		1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.6		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.74		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.6		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	21		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	68000		120	38	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.30	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5) (Continued)

Lab Sample ID: 500-103108-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2500		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	940		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540	B	5.0	0.50	mg/L	1		6010B	TCLP
Iron	0.37		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	32		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.79		0.050	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.066		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.53		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0057		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	61		2.5	0.50	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.040		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	130		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.084		0.038	0.038	mg/L	5		6010B	SPLP East
Magnesium	45		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.70	F1	0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	28		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.51	F1	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0029		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.021		0.020	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.80		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B06 (5-11)

Lab Sample ID: 500-103108-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.039		0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.61	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.4		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.20		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.4		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	20		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	58000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	270		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.30	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	50		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2500		28	4.6	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) (Continued)

Lab Sample ID: 500-103108-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	220		56	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540	B	5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.26		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	42		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.96		0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.055		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.054	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.21	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	31		2.5	0.50	mg/L	1		6010B	SPLP East
Chromium	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.029		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	12		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0090		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	11		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.096		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	8.6		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.14	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.026		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.25		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.028	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.68	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.9		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.32		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.7		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	70000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2600		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	220		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.012	J	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup (Continued)

Lab Sample ID: 500-103108-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	540	B	5.0	0.50	mg/L	1		6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	42		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.93		0.050	0.010	mg/L	1		6010B	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.059	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.012	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	52		2.5	0.50	mg/L	1		6010B	SPLP East
Chromium	0.057		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.068		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	41		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	24		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.27		0.050	0.010	mg/L	1		6010B	SPLP East
Nickel	0.062		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	17		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.063		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.22	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.024		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.35		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103108-26	2678-5-B01 (0-4)	Solid	10/26/15 10:25	10/27/15 11:50
500-103108-27	2678-5-B02 (0-4)	Solid	10/26/15 10:10	10/27/15 11:50
500-103108-28	2678-5-B02 (0-4) Dup	Solid	10/26/15 10:15	10/27/15 11:50
500-103108-29	2678-5-B03 (0-4)	Solid	10/26/15 10:00	10/27/15 11:50
500-103108-30	2678-5-B04 (0-4)	Solid	10/26/15 09:45	10/27/15 11:50
500-103108-31	2678-5-B05 (0-5)	Solid	10/26/15 09:25	10/27/15 11:50
500-103108-32	2678-5-B05 (5-11)	Solid	10/26/15 09:30	10/27/15 11:50
500-103108-33	2678-5-B06 (0-5)	Solid	10/26/15 09:00	10/27/15 11:50
500-103108-34	2678-5-B06 (5-11)	Solid	10/26/15 09:05	10/27/15 11:50
500-103108-35	2678-5-B06 (5-11) Dup	Solid	10/26/15 09:10	10/27/15 11:50



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Date Collected: 10/26/15 10:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
2-Hexanone	<0.0048	*	0.0048	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
4-Methyl-2-pentanone (MIBK)	<0.0048	*	0.0048	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/27/15 15:20	10/30/15 05:31	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/30/15 05:31	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	10/27/15 15:20	10/30/15 05:31	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/30/15 05:31	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	☼	11/01/15 20:03	11/02/15 21:17	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Date Collected: 10/26/15 10:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.4

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	0.0078	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Benzo[b]fluoranthene	0.012	J	0.040	0.0087	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4-Dimethylphenol	<0.40	*	0.40	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4-Dinitrophenol	<0.81	*	0.81	0.71	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Fluoranthene	0.014	J	0.040	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Date Collected: 10/26/15 10:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.4

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	☼	11/01/15 20:03	11/02/15 21:17	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Phenanthrene	0.0092	J	0.040	0.0056	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
Pyrene	0.0096	J	0.040	0.0080	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	11/01/15 20:03	11/02/15 21:17	1
2-Fluorophenol	89		25 - 110	11/01/15 20:03	11/02/15 21:17	1
Nitrobenzene-d5	75		25 - 115	11/01/15 20:03	11/02/15 21:17	1
Phenol-d5	74		31 - 110	11/01/15 20:03	11/02/15 21:17	1
Terphenyl-d14	93		36 - 134	11/01/15 20:03	11/02/15 21:17	1
2,4,6-Tribromophenol	74		35 - 137	11/01/15 20:03	11/02/15 21:17	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	☼	11/03/15 10:10	11/03/15 22:07	1
Arsenic	9.2		0.56	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Barium	56		0.56	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Beryllium	0.65		0.22	0.049	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Cadmium	0.21		0.11	0.032	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Chromium	16	B	0.56	0.096	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Cobalt	17		0.28	0.063	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Copper	27	B	0.56	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Iron	19000		11	4.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Lead	18		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Magnesium	11000	B	5.6	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Calcium	13000		11	3.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Manganese	400		0.56	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Nickel	37		0.56	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Thallium	0.44	J	0.56	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Vanadium	21		0.28	0.082	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Zinc	55		1.1	0.36	mg/Kg	☼	11/03/15 10:10	11/04/15 15:54	1
Potassium	1400		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	1
Sodium	3000		56	7.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:07	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		11/01/15 18:00	11/02/15 14:58	1
Barium	0.41	J	0.50	0.050	mg/L		11/01/15 18:00	11/02/15 14:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 14:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 14:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Date Collected: 10/26/15 10:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	220		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:58	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Iron	0.23		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 14:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 14:58	1
Magnesium	120		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:58	1
Manganese	0.35	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Potassium	1.2	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 14:58	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 14:58	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 14:58	1
Zinc	0.13	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.091		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Barium	1.0		0.50	0.050	mg/L		11/03/15 16:05	11/04/15 18:54	1
Beryllium	0.011		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 18:54	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 18:54	1
Calcium	35		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 18:54	1
Chromium	0.26		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Cobalt	0.056		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Copper	0.27		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Iron	250		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 18:54	1
Lead	0.10		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 18:54	1
Magnesium	52		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 18:54	1
Manganese	0.85		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Nickel	0.22		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Potassium	26		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 18:54	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Vanadium	0.29		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 18:54	1
Zinc	0.75		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 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		11/01/15 18:00	11/05/15 16:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:49	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:55	1
Thallium	0.0049		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B01 (0-4)

Lab Sample ID: 500-103108-26

Date Collected: 10/26/15 10:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 81.4

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		11/02/15 14:30	11/03/15 09:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.0070	mg/Kg	☼	10/29/15 19:00	10/30/15 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	11/02/15 18:35	11/02/15 20:47	1
pH	8.33		0.200	0.200	SU			11/02/15 14:37	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

Date Collected: 10/26/15 10:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Benzene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Bromodichloromethane	<0.0052		0.0052	0.00087	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
2-Butanone (MEK)	<0.0052		0.0052	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Dibromochloromethane	<0.0052		0.0052	0.00059	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,2-Dichloroethane	<0.0052		0.0052	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
2-Hexanone	<0.0052	*	0.0052	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
4-Methyl-2-pentanone (MIBK)	<0.0052	*	0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 05:56	1
Dibromofluoromethane	102		75 - 120	10/27/15 15:20	10/30/15 05:56	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/27/15 15:20	10/30/15 05:56	1
Toluene-d8 (Surr)	98		75 - 122	10/27/15 15:20	10/30/15 05:56	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	☼	11/01/15 20:03	11/02/15 21:43	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

Date Collected: 10/26/15 10:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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	☼	11/01/15 20:03	11/02/15 21:43	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4-Dimethylphenol	<0.39 *		0.39	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4-Dinitrophenol	<0.80 *		0.80	0.70	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

Date Collected: 10/26/15 10:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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	☼	11/01/15 20:03	11/02/15 21:43	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	11/01/15 20:03	11/02/15 21:43	1
2-Fluorophenol	74		25 - 110	11/01/15 20:03	11/02/15 21:43	1
Nitrobenzene-d5	85		25 - 115	11/01/15 20:03	11/02/15 21:43	1
Phenol-d5	62		31 - 110	11/01/15 20:03	11/02/15 21:43	1
Terphenyl-d14	91		36 - 134	11/01/15 20:03	11/02/15 21:43	1
2,4,6-Tribromophenol	74		35 - 137	11/01/15 20:03	11/02/15 21:43	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	☼	11/03/15 10:10	11/03/15 22:12	1
Arsenic	10		0.57	0.26	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Barium	69		0.57	0.10	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Beryllium	0.81		0.23	0.049	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Cadmium	0.24		0.11	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Chromium	19 B		0.57	0.098	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Cobalt	14		0.28	0.064	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Copper	30 B		0.57	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Iron	24000		11	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Lead	17		0.28	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Magnesium	14000 B		5.7	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Calcium	19000		11	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Manganese	420		0.57	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Nickel	41		0.57	0.15	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Vanadium	26		0.28	0.083	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Zinc	65		1.1	0.36	mg/Kg	☼	11/03/15 10:10	11/04/15 16:01	1
Potassium	1900		28	4.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	1
Sodium	750		57	7.5	mg/Kg	☼	11/03/15 10:10	11/03/15 22:12	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		11/01/15 18:00	11/02/15 15:03	1
Barium	0.41 J		0.50	0.050	mg/L		11/01/15 18:00	11/02/15 15:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/01/15 18:00	11/02/15 15:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/01/15 18:00	11/02/15 15:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

Date Collected: 10/26/15 10:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 15:03	1
Chromium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Cobalt	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Copper	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Iron	<0.20		0.20	0.20	mg/L		11/01/15 18:00	11/02/15 15:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/01/15 18:00	11/02/15 15:03	1
Magnesium	74		2.5	0.50	mg/L		11/01/15 18:00	11/02/15 15:03	1
Manganese	0.053	B	0.050	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Nickel	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Potassium	0.94	J	2.5	0.50	mg/L		11/01/15 18:00	11/02/15 15:03	1
Selenium	<0.050		0.050	0.020	mg/L		11/01/15 18:00	11/02/15 15:03	1
Silver	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Vanadium	<0.025		0.025	0.010	mg/L		11/01/15 18:00	11/02/15 15:03	1
Zinc	0.037	J B	0.50	0.020	mg/L		11/01/15 18:00	11/02/15 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Barium	0.26	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:01	1
Calcium	23		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:01	1
Chromium	0.046		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Copper	0.048		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Iron	35		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:01	1
Lead	0.013		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:01	1
Magnesium	16		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:01	1
Manganese	0.14		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Nickel	0.036		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Potassium	8.3		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:20	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:01	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Vanadium	0.060		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:01	1
Zinc	0.20	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:01	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		11/01/15 18:00	11/05/15 16:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/01/15 18:00	11/05/15 16:50	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4)

Lab Sample ID: 500-103108-27

Date Collected: 10/26/15 10:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.8

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		11/02/15 14:30	11/03/15 09:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0064	mg/Kg	☼	10/29/15 19:00	10/30/15 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	☼	11/02/15 18:35	11/02/15 20:48	1
pH	8.65		0.200	0.200	SU			11/02/15 14:40	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Date Collected: 10/26/15 10:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Benzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Bromoform	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
2-Hexanone	<0.0047	*	0.0047	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1
Xylenes, Total	<0.0095		0.0095	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 06:20	1
Dibromofluoromethane	105		75 - 120	10/27/15 15:20	10/30/15 06:20	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/27/15 15:20	10/30/15 06:20	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/30/15 06:20	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	☼	11/01/15 20:03	11/02/15 22:10	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Date Collected: 10/26/15 10:15

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.040		0.040	0.0077	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4-Dimethylphenol	<0.40	*	0.40	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Methylnaphthalene	<0.040		0.040	0.0073	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Date Collected: 10/26/15 10:15

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.80		0.80	0.38	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	11/01/15 20:03	11/02/15 22:10	1
2-Fluorophenol	82		25 - 110	11/01/15 20:03	11/02/15 22:10	1
Nitrobenzene-d5	84		25 - 115	11/01/15 20:03	11/02/15 22:10	1
Phenol-d5	45		31 - 110	11/01/15 20:03	11/02/15 22:10	1
Terphenyl-d14	95		36 - 134	11/01/15 20:03	11/02/15 22:10	1
2,4,6-Tribromophenol	83		35 - 137	11/01/15 20:03	11/02/15 22:10	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	☼	11/03/15 10:10	11/03/15 22:17	1
Arsenic	9.3		0.58	0.27	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Barium	54		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Beryllium	0.71		0.23	0.050	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Cadmium	0.18		0.12	0.033	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Chromium	17 B		0.58	0.099	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Cobalt	11		0.29	0.065	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Copper	24 B		0.58	0.12	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Iron	20000		12	4.4	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Lead	14		0.29	0.14	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Magnesium	18000 B		5.8	2.3	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Calcium	31000		12	3.7	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Manganese	250		0.58	0.11	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Nickel	33		0.58	0.16	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Vanadium	22		0.29	0.084	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Zinc	57		1.2	0.36	mg/Kg	☼	11/03/15 10:10	11/04/15 16:08	1
Potassium	1900		29	4.7	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1
Sodium	660		58	7.6	mg/Kg	☼	11/03/15 10:10	11/03/15 22:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Barium	0.32 J		0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 01:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Date Collected: 10/26/15 10:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 01:52	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Iron	<0.20	F1	0.20	0.20	mg/L		11/03/15 16:00	11/05/15 01:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:10	1
Magnesium	64		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 01:52	1
Manganese	0.22		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Potassium	<2.5		2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:10	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:10	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:10	1
Zinc	<0.50		0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Barium	0.38	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:08	1
Calcium	31		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:08	1
Chromium	0.077		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Cobalt	0.014	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Copper	0.086		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Iron	66		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:08	1
Lead	0.025		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:08	1
Magnesium	22		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:08	1
Manganese	0.22		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Nickel	0.074		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Potassium	11		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:24	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:08	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Vanadium	0.10		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:08	1
Zinc	0.27	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:08	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		11/03/15 16:00	11/05/15 16:54	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 16:54	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B02 (0-4) Dup

Lab Sample ID: 500-103108-28

Date Collected: 10/26/15 10:15

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 82.5

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		11/03/15 16:30	11/04/15 12:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:48	1
pH	8.62		0.200	0.200	SU			11/02/15 14:42	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Date Collected: 10/26/15 10:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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	☼	10/27/15 15:20	10/30/15 06:44	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
2-Hexanone	<0.0046	*	0.0046	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
4-Methyl-2-pentanone (MIBK)	<0.0046	*	0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/27/15 15:20	10/30/15 06:44	1
Dibromofluoromethane	106		75 - 120	10/27/15 15:20	10/30/15 06:44	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/30/15 06:44	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/30/15 06:44	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	☼	11/01/15 20:03	11/02/15 22:36	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Benzo[a]anthracene	0.0075	J	0.039	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Date Collected: 10/26/15 10:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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	0.039	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Benzo[b]fluoranthene	0.016	J	0.039	0.0084	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4-Dimethylphenol	<0.39	*	0.39	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4-Dinitrophenol	<0.79	*	0.79	0.69	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Fluoranthene	0.012	J	0.039	0.0072	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Date Collected: 10/26/15 10:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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	☼	11/01/15 20:03	11/02/15 22:36	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119	11/01/15 20:03	11/02/15 22:36	1
2-Fluorophenol	79		25 - 110	11/01/15 20:03	11/02/15 22:36	1
Nitrobenzene-d5	73		25 - 115	11/01/15 20:03	11/02/15 22:36	1
Phenol-d5	57		31 - 110	11/01/15 20:03	11/02/15 22:36	1
Terphenyl-d14	86		36 - 134	11/01/15 20:03	11/02/15 22:36	1
2,4,6-Tribromophenol	59		35 - 137	11/01/15 20:03	11/02/15 22:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Arsenic	7.6		0.55	0.26	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Barium	49		0.55	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Beryllium	0.72		0.22	0.048	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Cadmium	0.27		0.11	0.032	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Chromium	19	B	0.55	0.095	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Cobalt	12		0.28	0.062	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Copper	22		0.55	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Iron	20000		11	4.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Lead	20		0.28	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 12:40	1
Magnesium	28000		5.5	2.2	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Calcium	77000		110	36	mg/Kg	☼	11/03/15 10:25	11/03/15 23:25	10
Manganese	420		0.55	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Nickel	28		0.55	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/04/15 12:40	1
Vanadium	20		0.28	0.081	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1
Zinc	49		1.1	0.35	mg/Kg	☼	11/03/15 10:25	11/04/15 12:40	1
Potassium	2200		28	4.5	mg/Kg	☼	11/03/15 10:25	11/04/15 12:40	1
Sodium	1300		55	7.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Barium	0.40	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Date Collected: 10/26/15 10:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:13	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Copper	0.020	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Iron	0.42		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:38	1
Magnesium	30		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:13	1
Manganese	0.61		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Potassium	2.0	J	2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:38	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:38	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:38	1
Zinc	0.16	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Barium	0.53		0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:14	1
Beryllium	0.0065		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:14	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:14	1
Calcium	52		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:14	1
Chromium	0.14		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Cobalt	0.042		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Copper	0.18		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Iron	140		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:14	1
Lead	0.18		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:14	1
Magnesium	45		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:14	1
Manganese	0.76		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Nickel	0.16		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Potassium	22		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:28	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:14	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Vanadium	0.16		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:14	1
Zinc	0.44	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:14	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		11/03/15 16:00	11/05/15 16:58	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 16:58	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:57	1
Thallium	0.0029		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B03 (0-4)

Lab Sample ID: 500-103108-29

Date Collected: 10/26/15 10:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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		11/03/15 16:30	11/04/15 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.0068	mg/Kg	☼	10/29/15 19:00	10/30/15 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	11/02/15 18:35	11/02/15 20:48	1
pH	8.00		0.200	0.200	SU			11/02/15 14:45	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Date Collected: 10/26/15 09:45

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.9

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	☼	10/27/15 15:20	10/30/15 07:08	1
Benzene	<0.0044		0.0044	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Bromodichloromethane	<0.0044		0.0044	0.00074	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Bromoform	<0.0044		0.0044	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Carbon tetrachloride	<0.0044		0.0044	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Chloroethane	<0.0044	*	0.0044	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Chloroform	<0.0044		0.0044	0.00085	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Dibromochloromethane	<0.0044		0.0044	0.00050	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,1-Dichloroethane	<0.0044		0.0044	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,2-Dichloroethane	<0.0044		0.0044	0.00065	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,2-Dichloropropane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
2-Hexanone	<0.0044	*	0.0044	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
4-Methyl-2-pentanone (MIBK)	<0.0044	*	0.0044	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Tetrachloroethene	<0.0044		0.0044	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00085	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/27/15 15:20	10/30/15 07:08	1
Dibromofluoromethane	108		75 - 120	10/27/15 15:20	10/30/15 07:08	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/27/15 15:20	10/30/15 07:08	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/30/15 07:08	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	☼	11/01/15 20:03	11/02/15 23:02	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Date Collected: 10/26/15 09:45

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.9

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	☼	11/01/15 20:03	11/02/15 23:02	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4-Dimethylphenol	<0.36 *		0.36	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4-Dinitrophenol	<0.72 *		0.72	0.63	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Methylnaphthalene	<0.036		0.036	0.0066	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Date Collected: 10/26/15 09:45

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.9

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	☼	11/01/15 20:03	11/02/15 23:02	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Pentachlorophenol	<0.72		0.72	0.58	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
Pyrene	<0.036		0.036	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	11/01/15 20:03	11/02/15 23:02	1
2-Fluorophenol	86		25 - 110	11/01/15 20:03	11/02/15 23:02	1
Nitrobenzene-d5	89		25 - 115	11/01/15 20:03	11/02/15 23:02	1
Phenol-d5	72		31 - 110	11/01/15 20:03	11/02/15 23:02	1
Terphenyl-d14	93		36 - 134	11/01/15 20:03	11/02/15 23:02	1
2,4,6-Tribromophenol	70		35 - 137	11/01/15 20:03	11/02/15 23:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.88	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Arsenic	12		0.55	0.26	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Barium	31		0.55	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Cadmium	0.31		0.11	0.032	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Chromium	15	B	0.55	0.095	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Cobalt	12		0.28	0.063	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Copper	30		0.55	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Iron	22000		11	4.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Lead	25		0.28	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 12:45	1
Magnesium	28000		5.5	2.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Calcium	59000		110	36	mg/Kg	☼	11/03/15 10:25	11/03/15 23:31	10
Manganese	460		0.55	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Nickel	29		0.55	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/04/15 12:45	1
Vanadium	19		0.28	0.081	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	1
Zinc	57		1.1	0.35	mg/Kg	☼	11/03/15 10:25	11/04/15 12:45	1
Potassium	1700		28	4.5	mg/Kg	☼	11/03/15 10:25	11/04/15 12:45	1
Sodium	1300		55	7.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:26	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		11/03/15 16:00	11/04/15 13:43	1
Barium	0.33	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Date Collected: 10/26/15 09:45

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:18	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Copper	0.017	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Iron	0.49		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:43	1
Magnesium	76		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:18	1
Manganese	0.80		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Potassium	1.7	J	2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:43	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:43	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:43	1
Zinc	0.069	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Barium	0.28	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:37	1
Calcium	29		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:37	1
Chromium	0.059		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Cobalt	0.020	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Copper	0.094		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Iron	62		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:37	1
Lead	0.043		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:37	1
Magnesium	18		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:37	1
Manganese	0.29		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Nickel	0.068		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Potassium	12		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:32	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:37	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Vanadium	0.073		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:37	1
Zinc	0.28	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:37	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		11/03/15 16:00	11/05/15 16:58	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 16:58	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:58	1
Thallium	0.0023		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B04 (0-4)

Lab Sample ID: 500-103108-30

Date Collected: 10/26/15 09:45

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 87.9

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		11/03/15 16:30	11/04/15 12:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.017	0.0059	mg/Kg	☼	10/29/15 19:00	10/30/15 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	11/02/15 18:35	11/02/15 20:49	1
pH	8.22		0.200	0.200	SU			11/02/15 14:47	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Date Collected: 10/26/15 09:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.5

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	☼	10/27/15 15:20	10/30/15 07:33	1
Benzene	<0.0045		0.0045	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Dibromochloromethane	<0.0045		0.0045	0.00051	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
2-Hexanone	<0.0045	*	0.0045	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
4-Methyl-2-pentanone (MIBK)	<0.0045	*	0.0045	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/27/15 15:20	10/30/15 07:33	1
Dibromofluoromethane	110		75 - 120	10/27/15 15:20	10/30/15 07:33	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/27/15 15:20	10/30/15 07:33	1
Toluene-d8 (Surr)	94		75 - 122	10/27/15 15:20	10/30/15 07:33	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	☼	11/01/15 20:03	11/02/15 23:28	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Date Collected: 10/26/15 09:25

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4-Dimethylphenol	<0.38 *		0.38	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4-Dinitrophenol	<0.77 *		0.77	0.68	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Date Collected: 10/26/15 09:25

Matrix: Solid

Date Received: 10/27/15 11:50

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	<0.77		0.77	0.37	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		25 - 119	11/01/15 20:03	11/02/15 23:28	1
2-Fluorophenol	87		25 - 110	11/01/15 20:03	11/02/15 23:28	1
Nitrobenzene-d5	89		25 - 115	11/01/15 20:03	11/02/15 23:28	1
Phenol-d5	69		31 - 110	11/01/15 20:03	11/02/15 23:28	1
Terphenyl-d14	94		36 - 134	11/01/15 20:03	11/02/15 23:28	1
2,4,6-Tribromophenol	70		35 - 137	11/01/15 20:03	11/02/15 23:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Arsenic	11		0.55	0.26	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Barium	28		0.55	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Beryllium	0.58		0.22	0.048	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Cadmium	0.28		0.11	0.032	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Chromium	15	B	0.55	0.095	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Cobalt	11		0.28	0.062	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Copper	26		0.55	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Iron	20000		11	4.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Lead	16		0.28	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 12:50	1
Magnesium	29000		5.5	2.2	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Calcium	68000		110	36	mg/Kg	☼	11/03/15 10:25	11/03/15 23:38	10
Manganese	440		0.55	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Nickel	26		0.55	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/04/15 12:50	1
Vanadium	18		0.28	0.081	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	1
Zinc	55		1.1	0.35	mg/Kg	☼	11/03/15 10:25	11/04/15 12:50	1
Potassium	1900		28	4.5	mg/Kg	☼	11/03/15 10:25	11/04/15 12:50	1
Sodium	1300		55	7.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:32	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		11/03/15 16:00	11/04/15 13:48	1
Barium	0.28	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Date Collected: 10/26/15 09:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:23	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Copper	0.012	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Iron	0.63		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:48	1
Magnesium	53		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:23	1
Manganese	0.53		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Potassium	2.2	J	2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:48	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:48	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:48	1
Zinc	0.31	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.089		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Barium	0.45	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:44	1
Beryllium	0.0061		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:44	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:44	1
Calcium	41		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:44	1
Chromium	0.14		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Cobalt	0.032		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Copper	0.23		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Iron	150		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:44	1
Lead	0.080		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:44	1
Magnesium	37		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:44	1
Manganese	0.48		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Nickel	0.15		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Potassium	25		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:44	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Vanadium	0.15		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:44	1
Zinc	0.59		0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:44	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		11/03/15 16:00	11/05/15 16:59	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 16:59	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 18:59	1
Thallium	0.0033		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (0-5)

Lab Sample ID: 500-103108-31

Date Collected: 10/26/15 09:25

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.5

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		11/03/15 16:30	11/04/15 12:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	11/03/15 16:05	11/03/15 18:35	1
pH	8.28		0.200	0.200	SU			11/02/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Date Collected: 10/26/15 09:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Chloroethane	<0.0050	*	0.0050	0.0021	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
2-Hexanone	<0.0050	*	0.0050	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
4-Methyl-2-pentanone (MIBK)	<0.0050	*	0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1
Xylenes, Total	<0.010		0.010	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 07:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/27/15 15:20	10/30/15 07:57	1
Dibromofluoromethane	104		75 - 120	10/27/15 15:20	10/30/15 07:57	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/27/15 15:20	10/30/15 07:57	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 07:57	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	☼	11/01/15 20:03	11/02/15 23:55	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Date Collected: 10/26/15 09:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.6

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	☼	11/01/15 20:03	11/02/15 23:55	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4-Dimethylphenol	<0.37 *		0.37	0.14	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4-Dinitrophenol	<0.74 *		0.74	0.65	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Fluoranthene	0.014 J		0.037	0.0068	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Methylnaphthalene	0.043		0.037	0.0068	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Date Collected: 10/26/15 09:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.6

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	☼	11/01/15 20:03	11/02/15 23:55	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Phenanthrene	0.046		0.037	0.0051	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
Pyrene	<0.037		0.037	0.0073	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	11/01/15 20:03	11/02/15 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	11/01/15 20:03	11/02/15 23:55	1
2-Fluorophenol	89		25 - 110	11/01/15 20:03	11/02/15 23:55	1
Nitrobenzene-d5	83		25 - 115	11/01/15 20:03	11/02/15 23:55	1
Phenol-d5	88		31 - 110	11/01/15 20:03	11/02/15 23:55	1
Terphenyl-d14	95		36 - 134	11/01/15 20:03	11/02/15 23:55	1
2,4,6-Tribromophenol	90		35 - 137	11/01/15 20:03	11/02/15 23:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Arsenic	18		0.55	0.25	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Barium	32		0.55	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Beryllium	0.70		0.22	0.047	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Cadmium	0.27		0.11	0.032	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Chromium	19	B	0.55	0.094	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Cobalt	12		0.27	0.062	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Copper	26		0.55	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Iron	22000		11	4.2	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Lead	16		0.27	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 12:55	1
Magnesium	28000		5.5	2.2	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Calcium	76000		110	35	mg/Kg	☼	11/03/15 10:25	11/03/15 23:45	10
Manganese	330		0.55	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Nickel	30		0.55	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Selenium	0.36	J	0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Silver	0.072	J	0.27	0.064	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	11/03/15 10:25	11/04/15 12:55	1
Vanadium	21		0.27	0.080	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	1
Zinc	52		1.1	0.35	mg/Kg	☼	11/03/15 10:25	11/04/15 12:55	1
Potassium	2600		27	4.5	mg/Kg	☼	11/03/15 10:25	11/04/15 12:55	1
Sodium	420		55	7.2	mg/Kg	☼	11/03/15 10:25	11/03/15 19:39	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		11/03/15 16:00	11/04/15 13:53	1
Barium	0.32	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Date Collected: 10/26/15 09:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:28	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Cobalt	0.015	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Copper	0.012	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Iron	0.35		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:53	1
Magnesium	38		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:28	1
Manganese	0.78		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Nickel	0.041		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Potassium	4.6		2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:53	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:53	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:53	1
Zinc	0.070	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Barium	0.16	J	0.50	0.050	mg/L		11/03/15 16:05	11/04/15 19:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:05	11/04/15 19:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:05	11/04/15 19:51	1
Calcium	30		5.0	0.50	mg/L		11/03/15 16:05	11/04/15 19:51	1
Chromium	0.016	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Copper	0.023	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Iron	6.1		0.20	0.20	mg/L		11/03/15 16:05	11/04/15 19:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:05	11/04/15 19:51	1
Magnesium	11		2.5	0.50	mg/L		11/03/15 16:05	11/04/15 19:51	1
Manganese	0.061		0.050	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Nickel	0.011	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Potassium	5.4		2.5	0.50	mg/L		11/03/15 16:05	11/06/15 00:40	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:05	11/04/15 19:51	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Vanadium	0.016	J	0.025	0.010	mg/L		11/03/15 16:05	11/04/15 19:51	1
Zinc	0.13	J	0.50	0.020	mg/L		11/03/15 16:05	11/04/15 19:51	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		11/03/15 16:00	11/05/15 17:00	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 17:00	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:05	11/05/15 19:00	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:05	11/05/15 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 09:45	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B05 (5-11)

Lab Sample ID: 500-103108-32

Date Collected: 10/26/15 09:30

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.6

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		11/03/15 16:30	11/04/15 12:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/03/15 16:05	11/03/15 18:36	1
pH	7.87		0.200	0.200	SU			11/02/15 14:55	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Date Collected: 10/26/15 09:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Benzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Bromoform	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Chloroform	<0.0047		0.0047	0.00093	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Dibromochloromethane	<0.0047		0.0047	0.00055	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,1-Dichloroethane	<0.0047		0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
2-Hexanone	<0.0047	*	0.0047	0.0015	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00098	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Tetrachloroethene	<0.0047		0.0047	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Toluene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00092	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1
Xylenes, Total	<0.0095		0.0095	0.0018	mg/Kg	☼	10/27/15 15:20	10/30/15 08:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/27/15 15:20	10/30/15 08:22	1
Dibromofluoromethane	109		75 - 120	10/27/15 15:20	10/30/15 08:22	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/30/15 08:22	1
Toluene-d8 (Surr)	97		75 - 122	10/27/15 15:20	10/30/15 08:22	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	☼	11/01/15 20:03	11/03/15 00:21	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Date Collected: 10/26/15 09:00

Matrix: Solid

Date Received: 10/27/15 11:50

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	☼	11/01/15 20:03	11/03/15 00:21	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4-Dimethylphenol	<0.38 *		0.38	0.14	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4-Dinitrophenol	<0.77 *		0.77	0.67	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Date Collected: 10/26/15 09:00

Matrix: Solid

Date Received: 10/27/15 11:50

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	☼	11/01/15 20:03	11/03/15 00:21	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	11/01/15 20:03	11/03/15 00:21	1
2-Fluorophenol	87		25 - 110	11/01/15 20:03	11/03/15 00:21	1
Nitrobenzene-d5	75		25 - 115	11/01/15 20:03	11/03/15 00:21	1
Phenol-d5	52		31 - 110	11/01/15 20:03	11/03/15 00:21	1
Terphenyl-d14	93		36 - 134	11/01/15 20:03	11/03/15 00:21	1
2,4,6-Tribromophenol	84		35 - 137	11/01/15 20:03	11/03/15 00:21	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	☼	11/03/15 10:25	11/03/15 19:46	1
Arsenic	7.6		0.59	0.27	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Barium	41		0.59	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Beryllium	0.74		0.24	0.051	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Cadmium	0.29		0.12	0.034	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Chromium	20	B	0.59	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Cobalt	8.6		0.30	0.067	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Copper	21		0.59	0.13	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Iron	21000		12	4.6	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Lead	12		0.30	0.15	mg/Kg	☼	11/03/15 10:25	11/04/15 13:00	1
Magnesium	26000		5.9	2.4	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Calcium	68000		120	38	mg/Kg	☼	11/03/15 10:25	11/03/15 23:52	10
Manganese	320		0.59	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Nickel	27		0.59	0.16	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	11/03/15 10:25	11/04/15 13:00	1
Vanadium	21		0.30	0.086	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1
Zinc	53		1.2	0.37	mg/Kg	☼	11/03/15 10:25	11/04/15 13:00	1
Potassium	2500		30	4.8	mg/Kg	☼	11/03/15 10:25	11/04/15 13:00	1
Sodium	940		59	7.8	mg/Kg	☼	11/03/15 10:25	11/03/15 19:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Barium	0.35	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 13:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 13:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Date Collected: 10/26/15 09:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:41	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Iron	0.37		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 13:58	1
Magnesium	32		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:41	1
Manganese	0.79		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Nickel	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Potassium	1.9	J	2.5	0.50	mg/L		11/03/15 16:00	11/04/15 13:58	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 13:58	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 13:58	1
Zinc	0.11	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Barium	0.53		0.50	0.050	mg/L		11/03/15 16:07	11/04/15 14:12	1
Beryllium	0.0057		0.0040	0.0040	mg/L		11/03/15 16:07	11/04/15 14:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:07	11/04/15 14:12	1
Calcium	61		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:12	1
Chromium	0.13		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Cobalt	0.040		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Copper	0.20		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Iron	130		0.20	0.20	mg/L		11/03/15 16:07	11/04/15 14:12	1
Lead	0.084		0.038	0.038	mg/L		11/03/15 16:07	11/04/15 14:44	5
Magnesium	45		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:12	1
Manganese	0.70	F1	0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Nickel	0.19		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Potassium	28		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:12	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:07	11/04/15 14:12	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Vanadium	0.13		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:12	1
Zinc	0.51	F1	0.50	0.020	mg/L		11/03/15 16:07	11/04/15 14:12	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		11/03/15 16:00	11/05/15 17:03	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 17:03	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	F1	0.0060	0.0060	mg/L		11/03/15 16:07	11/05/15 19:04	1
Thallium	0.0029		0.0020	0.0020	mg/L		11/03/15 16:07	11/05/15 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (0-5)

Lab Sample ID: 500-103108-33

Date Collected: 10/26/15 09:00

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.1

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		11/03/15 16:30	11/04/15 12:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0068	mg/Kg	☼	10/29/15 19:00	10/30/15 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/03/15 16:05	11/03/15 18:36	1
pH	8.80		0.200	0.200	SU			11/02/15 14:57	1



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TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11)

Lab Sample ID: 500-103108-34

Date Collected: 10/26/15 09:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
2-Hexanone	<0.0046	*	0.0046	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
4-Methyl-2-pentanone (MIBK)	<0.0046	*	0.0046	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/27/15 15:20	10/30/15 08:45	1
Dibromofluoromethane	108		75 - 120	10/27/15 15:20	10/30/15 08:45	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/27/15 15:20	10/30/15 08:45	1
Toluene-d8 (Surr)	99		75 - 122	10/27/15 15:20	10/30/15 08:45	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	☼	11/01/15 20:03	11/03/15 00:47	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1

TestAmerica Chicago

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Lab Sample ID: 500-103108-34

Date Collected: 10/26/15 09:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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	☼	11/01/15 20:03	11/03/15 00:47	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4-Dimethylphenol	<0.38 *		0.38	0.15	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4-Dinitrophenol	<0.78 *		0.78	0.68	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1

TestAmerica Chicago

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TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11)

Lab Sample ID: 500-103108-34

Date Collected: 10/26/15 09:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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	☼	11/01/15 20:03	11/03/15 00:47	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Phenanthrene	0.039		0.038	0.0054	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	11/01/15 20:03	11/03/15 00:47	1
2-Fluorophenol	78		25 - 110	11/01/15 20:03	11/03/15 00:47	1
Nitrobenzene-d5	83		25 - 115	11/01/15 20:03	11/03/15 00:47	1
Phenol-d5	80		31 - 110	11/01/15 20:03	11/03/15 00:47	1
Terphenyl-d14	92		36 - 134	11/01/15 20:03	11/03/15 00:47	1
2,4,6-Tribromophenol	74		35 - 137	11/01/15 20:03	11/03/15 00:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Arsenic	7.4		0.56	0.26	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Barium	35		0.56	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Beryllium	0.75		0.23	0.049	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Cadmium	0.20		0.11	0.033	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Chromium	19	B	0.56	0.097	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Cobalt	7.4		0.28	0.064	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Copper	20		0.56	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Iron	22000		11	4.4	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Lead	13		0.28	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 13:05	1
Magnesium	26000		5.6	2.3	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Calcium	58000		110	36	mg/Kg	☼	11/03/15 10:25	11/03/15 23:58	10
Manganese	270		0.56	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Nickel	26		0.56	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Selenium	0.30	J	0.56	0.28	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	11/03/15 10:25	11/04/15 13:05	1
Vanadium	20		0.28	0.082	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1
Zinc	50		1.1	0.36	mg/Kg	☼	11/03/15 10:25	11/04/15 13:05	1
Potassium	2500		28	4.6	mg/Kg	☼	11/03/15 10:25	11/04/15 13:05	1
Sodium	220		56	7.5	mg/Kg	☼	11/03/15 10:25	11/03/15 19:53	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Barium	0.41	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 14:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 14:04	1

TestAmerica Chicago

Client Sample Results

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TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11)

Lab Sample ID: 500-103108-34

Date Collected: 10/26/15 09:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:46	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Cobalt	0.018	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Iron	0.26		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 14:04	1
Magnesium	42		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:46	1
Manganese	0.96		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Nickel	0.055		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Potassium	3.9		2.5	0.50	mg/L		11/03/15 16:00	11/04/15 14:04	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 14:04	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:04	1
Zinc	0.054	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Barium	0.21	J	0.50	0.050	mg/L		11/03/15 16:07	11/04/15 14:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:07	11/04/15 14:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:07	11/04/15 14:36	1
Calcium	31		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:36	1
Chromium	0.022	J	0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Copper	0.029		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Iron	12		0.20	0.20	mg/L		11/03/15 16:07	11/04/15 14:36	1
Lead	0.0090		0.0075	0.0075	mg/L		11/03/15 16:07	11/04/15 14:36	1
Magnesium	11		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:36	1
Manganese	0.096		0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Nickel	0.019	J	0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Potassium	8.6		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:07	11/04/15 14:36	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Vanadium	0.022	J	0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:36	1
Zinc	0.14	J	0.50	0.020	mg/L		11/03/15 16:07	11/04/15 14:36	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		11/03/15 16:00	11/05/15 17:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 17:04	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:07	11/05/15 19:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:07	11/05/15 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 10:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11)

Lab Sample ID: 500-103108-34

Date Collected: 10/26/15 09:05

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 85.1

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		11/03/15 16:30	11/04/15 12:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0066	mg/Kg	☼	10/29/15 19:00	10/30/15 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/03/15 16:05	11/03/15 18:37	1
pH	8.25		0.200	0.200	SU			11/02/15 15:00	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Date Collected: 10/26/15 09:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
2-Hexanone	<0.0047	*	0.0047	0.0014	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
4-Methyl-2-pentanone (MIBK)	<0.0047	*	0.0047	0.00096	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/27/15 15:20	10/30/15 09:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/27/15 15:20	10/30/15 09:10	1
Dibromofluoromethane	107		75 - 120	10/27/15 15:20	10/30/15 09:10	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/27/15 15:20	10/30/15 09:10	1
Toluene-d8 (Surr)	100		75 - 122	10/27/15 15:20	10/30/15 09:10	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	☼	11/01/15 20:03	11/03/15 01:14	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Date Collected: 10/26/15 09:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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	☼	11/01/15 20:03	11/03/15 01:14	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4-Dimethylphenol	<0.39 *		0.39	0.15	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4-Dinitrophenol	<0.79 *		0.79	0.69	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Date Collected: 10/26/15 09:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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	☼	11/01/15 20:03	11/03/15 01:14	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Phenanthrene	0.028	J	0.039	0.0055	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	11/01/15 20:03	11/03/15 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	11/01/15 20:03	11/03/15 01:14	1
2-Fluorophenol	73		25 - 110	11/01/15 20:03	11/03/15 01:14	1
Nitrobenzene-d5	82		25 - 115	11/01/15 20:03	11/03/15 01:14	1
Phenol-d5	72		31 - 110	11/01/15 20:03	11/03/15 01:14	1
Terphenyl-d14	89		36 - 134	11/01/15 20:03	11/03/15 01:14	1
2,4,6-Tribromophenol	61		35 - 137	11/01/15 20:03	11/03/15 01:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J	1.1	0.23	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Arsenic	6.9		0.57	0.26	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Barium	33		0.57	0.10	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Beryllium	0.69		0.23	0.049	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Cadmium	0.32		0.11	0.033	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Chromium	19	B	0.57	0.097	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Cobalt	9.7		0.28	0.064	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Copper	25		0.57	0.12	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Iron	20000		11	4.4	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Lead	14		0.28	0.14	mg/Kg	☼	11/03/15 10:25	11/04/15 13:10	1
Magnesium	27000		5.7	2.3	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Calcium	70000		110	36	mg/Kg	☼	11/03/15 10:25	11/04/15 00:05	10
Manganese	310		0.57	0.11	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Nickel	28		0.57	0.15	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Selenium	0.43	J	0.57	0.28	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/03/15 10:25	11/04/15 13:10	1
Vanadium	20		0.28	0.083	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1
Zinc	59		1.1	0.36	mg/Kg	☼	11/03/15 10:25	11/04/15 13:10	1
Potassium	2600		28	4.6	mg/Kg	☼	11/03/15 10:25	11/04/15 13:10	1
Sodium	220		57	7.5	mg/Kg	☼	11/03/15 10:25	11/03/15 20:15	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Barium	0.36	J	0.50	0.050	mg/L		11/03/15 16:00	11/04/15 14:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:00	11/05/15 02:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:00	11/04/15 14:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Date Collected: 10/26/15 09:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540	B	5.0	0.50	mg/L		11/03/15 16:00	11/05/15 02:52	1
Chromium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Cobalt	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Copper	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Iron	0.21		0.20	0.20	mg/L		11/03/15 16:00	11/05/15 02:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		11/03/15 16:00	11/04/15 14:09	1
Magnesium	42		2.5	0.50	mg/L		11/03/15 16:00	11/05/15 02:52	1
Manganese	0.93		0.050	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Nickel	0.023	J	0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Potassium	3.6		2.5	0.50	mg/L		11/03/15 16:00	11/04/15 14:09	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:00	11/04/15 14:09	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Vanadium	<0.025		0.025	0.010	mg/L		11/03/15 16:00	11/04/15 14:09	1
Zinc	0.059	J	0.50	0.020	mg/L		11/03/15 16:00	11/04/15 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Barium	0.28	J	0.50	0.050	mg/L		11/03/15 16:07	11/04/15 14:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		11/03/15 16:07	11/04/15 14:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		11/03/15 16:07	11/04/15 14:40	1
Calcium	52		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:40	1
Chromium	0.057		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Cobalt	0.016	J	0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Copper	0.068		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Iron	41		0.20	0.20	mg/L		11/03/15 16:07	11/04/15 14:40	1
Lead	<0.038		0.038	0.038	mg/L		11/03/15 16:07	11/04/15 15:13	5
Magnesium	24		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:40	1
Manganese	0.27		0.050	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Nickel	0.062		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Potassium	17		2.5	0.50	mg/L		11/03/15 16:07	11/04/15 14:40	1
Selenium	<0.050		0.050	0.020	mg/L		11/03/15 16:07	11/04/15 14:40	1
Silver	<0.025		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Vanadium	0.063		0.025	0.010	mg/L		11/03/15 16:07	11/04/15 14:40	1
Zinc	0.22	J	0.50	0.020	mg/L		11/03/15 16:07	11/04/15 14:40	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		11/03/15 16:00	11/05/15 17:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:00	11/05/15 17:05	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		11/03/15 16:07	11/05/15 19:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		11/03/15 16:07	11/05/15 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/03/15 16:30	11/04/15 11:01	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Client Sample ID: 2678-5-B06 (5-11) Dup

Lab Sample ID: 500-103108-35

Date Collected: 10/26/15 09:10

Matrix: Solid

Date Received: 10/27/15 11:50

Percent Solids: 84.4

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		11/03/15 16:30	11/04/15 12:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0067	mg/Kg	☼	10/29/15 19:00	10/30/15 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/03/15 16:05	11/03/15 18:37	1
pH	8.35		0.200	0.200	SU			11/02/15 15:02	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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
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.
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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103108-3

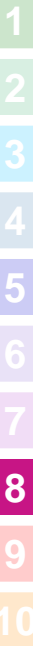
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Drive
Address: Naperville, IL 60540
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: matt.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103108
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter										Preservative Key	
Project Name		11157103														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	
Project Location/State		Lab Project #															
Schramberg, IL																	
Sampler		Lab PM															
Chad Kelly																	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Vocs	SVOCs	Total 24 Inorganics	TCLP 24 Inorganics	SPLP 24 Inorganics	pH	Comments				
			Date	Time													
26		2678-5-B01 (0-4)	10/26/15	10:25	6	S	✓	✓	✓	✓	✓	✓					
27		2678-5-B02 (0-4)	10/26/15	10:10	6	S	✓	✓	✓	✓	✓	✓					
28		2678-5-B02 (0-4) Dup	10/26/15	10:15	6	S	✓	✓	✓	✓	✓	✓					
29		2678-5-B03 (0-4)	10/26/15	10:00	6	S	✓	✓	✓	✓	✓	✓					
30		2678-5-B04 (0-4)	10/26/15	9:45	6	S	✓	✓	✓	✓	✓	✓					
31		2678-5-B05 (0-5)	10/26/15	9:25	6	S	✓	✓	✓	✓	✓	✓					
32		2678-5-B05 (5-11)	10/26/15	9:30	6	S	✓	✓	✓	✓	✓	✓					
33		2678-5-B05 (0-5)	10/26/15	9:00	6	S	✓	✓	✓	✓	✓	✓					BOB
34		2678-5-B05 (5-11)	10/26/15	9:05	6	S	✓	✓	✓	✓	✓	✓					BOB
35		2678-5-B05 (5-11) Dup	10/26/15	9:10	6	S	✓	✓	✓	✓	✓	✓					BOB

Turnaround Time Required (Business Days)

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

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/27/15</u>	Time <u>9:30</u>	Received By <u>D. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>0930</u>
Relinquished By <u>D. Neal</u>	Company <u>TA</u>	Date <u>10/27/15</u>	Time <u>1150</u>	Received By <u>Sherrin Lewis</u>	Company <u>TA-CHI</u>	Date <u>10/27/15</u>	Time <u>1150</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

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

Client Comments

Please meet IL TAGO Requirements.
Please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103108-3

Login Number: 103108

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.4,2.9,3.2,2.8
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.	False	
Samples are received within Holding Time.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-West of N. Martingale Rd and Higgins Rd IDOT STA 127+40 to 129+80 (ISGS Site 2678-8)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W

Latitude: 42.03799 Longitude: -88.03895

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, B03 and B04 were sampled adjacent to ISGS Site No 2678-8. See Exhibits 2, 2D, 2E and Table 8 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-1. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

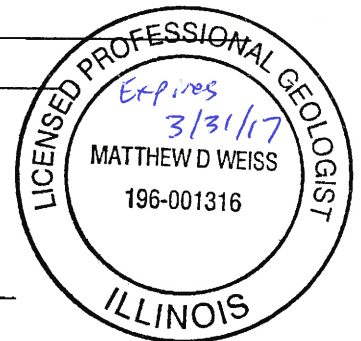
Phone: 630-717-4263

Matt Weiss
Printed Name:

[Signature]

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

12/11/15
Date:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 10

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B01 (0-5)	2678-8-B01 (5-11)
				CCDD	Sample Depth (feet)	(0-5)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	<0.019
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.040	<0.037
Anthracene	mg/kg	0.25	0.4	12000		<0.040	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.071	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.093	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.18	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.073	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.06	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.11	<0.037
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		0.019	<0.037
Fluoranthene	mg/kg	2.7	4.1	3100		0.19	<0.037
Fluorene	mg/kg	0.1	0.18	560		<0.040	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.084	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		0.043	0.018
Pyrene	mg/kg	1.9	3.0	2300		0.13	<0.037
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		11.0	6.4
Barium	mg/kg	---	110	1500		94	30
Cadmium	mg/kg	---	0.6	5.2		0.18	0.13
Chromium, total	mg/kg	---	16.2	21		17	15
Lead	mg/kg	---	36	107		27	12
Mercury	mg/kg	---	0.06	0.1		0.036	0.029
Selenium	mg/kg	---	0.48	1.3		0.58	0.45
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.74	0.62
Calcium	mg/kg	---	9,300	---		8100	54000
Cobalt	mg/kg	---	8.9	20		13	9.9
Copper	mg/kg	---	19.6	2900		23	22
Cyanide	mg/kg	---	0.51	---		<0.60	<0.56
Iron	mg/kg	---	15,900	15000		20000	17000
Magnesium	mg/kg	---	4,820	325000		5500	22000
Manganese	mg/kg	---	636	630		450	260
Nickel	mg/kg	---	18	100		26	29
Potassium	mg/kg	---	1,268	---		1300	2200
Sodium	mg/kg	---	130	---		320	490
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.55
Vanadium	mg/kg	---	25.2	550		24	17
Zinc	mg/kg	---	95	5100		69	55
pH			6.25	9		8.48	8.11
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.012	0.031
Barium,SPLP	mg/L	---	---	---		0.27	0.38
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0055
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		27	75
Chromium,SPLP	mg/L	---	---	---		0.037	0.13
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.05
Copper,SPLP	mg/L	---	---	---		0.042	0.12
Iron,SPLP	mg/L	---	---	---		29	99
Lead,SPLP	mg/L	---	---	---		0.017	0.053
Magnesium,SPLP	mg/L	---	---	---		11	48
Manganese,SPLP	mg/L	---	---	---		0.2	0.84
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.033	0.15

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B01 (0-5)	2678-8-B01 (5-11)
				CCDD	Sample Depth (feet)	(0-5)	(5-11)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Potassium,SPLP	mg/L	---	---	---		8	32
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0022
Vanadium,SPLP	mg/L	---	---	---		0.052	0.15
Zinc,SPLP	mg/L	---	---	---		0.57	0.25
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.51	0.33
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	---	---	---		330	550
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.017
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		110	32
Manganese,TCLP	mg/L	---	---	---		0.036	1.8
Nickel,TCLP	mg/L	---	---	---		<0.025	0.035
Potassium,TCLP	mg/L	---	---	---		2.9	6.5
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.023	<0.50

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B03 (0-5)	2678-8-B03 (0-5) DUP
				CCDD	Sample Depth (feet)	(0-5)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		0.037	0.012
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.040
Anthracene	mg/kg	0.25	0.4	12000		<0.039	0.0076
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0091	0.028
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	0.028
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.022	0.045
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	0.014
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	0.017
Chrysene	mg/kg	1.2	2.7	88		0.015	0.035
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.039	<0.040
Fluoranthene	mg/kg	2.7	4.1	3100		0.018	0.066
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.040
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.039	0.014
Phenanthrene	mg/kg	1.3	2.5	210		0.0056	0.037
Pyrene	mg/kg	1.9	3.0	2300		0.019	0.055
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.9	6.2
Barium	mg/kg	---	110	1500		65	79
Cadmium	mg/kg	---	0.6	5.2		0.21	0.29
Chromium, total	mg/kg	---	16.2	21		15	19
Lead	mg/kg	---	36	107		35	31
Mercury	mg/kg	---	0.06	0.1		0.034	0.039
Selenium	mg/kg	---	0.48	1.3		0.37	0.29
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		<1.1	<1.2
Beryllium	mg/kg	---	0.59	22		0.69	0.73
Calcium	mg/kg	---	9,300	---		16000	11000
Cobalt	mg/kg	---	8.9	20		13	12
Copper	mg/kg	---	19.6	2900		23	24
Cyanide	mg/kg	---	0.51	---		<0.58	0.32
Iron	mg/kg	---	15,900	15000		17000	18000
Magnesium	mg/kg	---	4,820	325000		9600	7800
Manganese	mg/kg	---	636	630		260	270
Nickel	mg/kg	---	18	100		27	31
Potassium	mg/kg	---	1,268	---		1500	1500
Sodium	mg/kg	---	130	---		1200	1200
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.58
Vanadium	mg/kg	---	25.2	550		21	21
Zinc	mg/kg	---	95	5100		64	64
pH			6.25	9		8.32	8.12
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.055	0.028
Barium,SPLP	mg/L	---	---	---		0.64	0.38
Beryllium,SPLP	mg/L	---	---	---		0.0062	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		36	36
Chromium,SPLP	mg/L	---	---	---		0.15	0.074
Cobalt,SPLP	mg/L	---	---	---		0.058	0.029
Copper,SPLP	mg/L	---	---	---		0.2	0.1
Iron,SPLP	mg/L	---	---	---		140	67
Lead,SPLP	mg/L	---	---	---		0.1	0.062
Magnesium,SPLP	mg/L	---	---	---		32	19
Manganese,SPLP	mg/L	---	---	---		1.2	0.82
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.17	0.086

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B03 (0-5)	2678-8-B03 (0-5) DUP
				CCDD	Sample Depth (feet)	(0-5)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Potassium,SPLP	mg/L	---	---	---		27	15
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0034	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.2	0.099
Zinc,SPLP	mg/L	---	---	---		0.43	0.46
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.42	0.47
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	---	---	---		410	430
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		52	34
Manganese,TCLP	mg/L	---	---	---		2.6	3.2
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		5.3	6.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.072	0.3

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B03 (5-10)	2678-8-B03 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		0.028	0.024
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	0.0076
Anthracene	mg/kg	0.25	0.4	12000		<0.039	<0.036
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	<0.036
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.036
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	<0.036
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	<0.036
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.036
Chrysene	mg/kg	1.2	2.7	88		<0.039	0.026
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.039	<0.036
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	<0.036
Fluorene	mg/kg	0.1	0.18	560		<0.039	0.0071
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.039	<0.036
Phenanthrene	mg/kg	1.3	2.5	210		<0.039	0.097
Pyrene	mg/kg	1.9	3.0	2300		<0.039	0.035
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.8	7.4
Barium	mg/kg	---	110	1500		32	33
Cadmium	mg/kg	---	0.6	5.2		0.17	0.25
Chromium, total	mg/kg	---	16.2	21		15	13
Lead	mg/kg	---	36	107		16	14
Mercury	mg/kg	---	0.06	0.1		0.033	0.028
Selenium	mg/kg	---	0.48	1.3		0.65	0.56
Silver	mg/kg	---	0.55	4.4		<0.29	<0.27
Antimony	mg/kg	---	4.0	5		0.37	<1.1
Beryllium	mg/kg	---	0.59	22		0.69	0.58
Calcium	mg/kg	---	9,300	---		48000	6500
Cobalt	mg/kg	---	8.9	20		12	12
Copper	mg/kg	---	19.6	2900		26	23
Cyanide	mg/kg	---	0.51	---		<0.58	<0.56
Iron	mg/kg	---	15,900	15000		18000	16000
Magnesium	mg/kg	---	4,820	325000		20000	26000
Manganese	mg/kg	---	636	630		280	320
Nickel	mg/kg	---	18	100		33	29
Potassium	mg/kg	---	1,268	---		2200	2000
Sodium	mg/kg	---	130	---		420	200
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.54
Vanadium	mg/kg	---	25.2	550		17	16
Zinc	mg/kg	---	95	5100		59	180
pH			6.25	9		8.06	7.93
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.037	<0.050
Barium,SPLP	mg/L	---	---	---		0.42	0.086
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		34	22
Chromium,SPLP	mg/L	---	---	---		0.074	<0.025
Cobalt,SPLP	mg/L	---	---	---		0.03	<0.025
Copper,SPLP	mg/L	---	---	---		0.11	0.025
Iron,SPLP	mg/L	---	---	---		74	0.49
Lead,SPLP	mg/L	---	---	---		0.063	<0.0075
Magnesium,SPLP	mg/L	---	---	---		20	6.3
Manganese,SPLP	mg/L	---	---	---		0.76	0.048
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.098	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B03 (5-10)	2678-8-B03 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Potassium,SPLP	mg/L	---	---	---		16	2.5
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0021	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.099	<0.025
Zinc,SPLP	mg/L	---	---	---		0.3	1.1
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.31	0.4
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	---	---	---		360	520
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.036
Copper,TCLP	mg/L	---	---	---		<0.025	0.018
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.2	<0.20
Magnesium,TCLP	mg/L	---	---	---		84	33
Manganese,TCLP	mg/L	---	---	---		1.4	1.8
Nickel,TCLP	mg/L	---	---	---		0.012	0.082
Potassium,TCLP	mg/L	---	---	---		4.9	10
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.082	0.33

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B04 (0-5)	2678-8-B04 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	0.038
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.037
Anthracene	mg/kg	0.25	0.4	12000		<0.039	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0081	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.019	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.013	<0.037
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.039	<0.037
Fluoranthene	mg/kg	2.7	4.1	3100		0.016	<0.037
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.039	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		0.0067	<0.037
Pyrene	mg/kg	1.9	3.0	2300		0.019	<0.037
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.9	5
Barium	mg/kg	---	110	1500		50	25
Cadmium	mg/kg	---	0.6	5.2		0.13	0.14
Chromium, total	mg/kg	---	16.2	21		16	12
Lead	mg/kg	---	36	107		18	9.1
Mercury	mg/kg	---	0.06	0.1		0.045	0.032
Selenium	mg/kg	---	0.48	1.3		<0.56	0.59
Silver	mg/kg	---	0.55	4.4		<0.28	<0.27
Antimony	mg/kg	---	4.0	5		0.32	<1.1
Beryllium	mg/kg	---	0.59	22		0.75	0.47
Calcium	mg/kg	---	9,300	---		32000	30000
Cobalt	mg/kg	---	8.9	20		12	7.6
Copper	mg/kg	---	19.6	2900		24	16
Cyanide	mg/kg	---	0.51	---		<0.56	<0.56
Iron	mg/kg	---	15,900	15000		19000	13000
Magnesium	mg/kg	---	4,820	325000		20000	21000
Manganese	mg/kg	---	636	630		520	250
Nickel	mg/kg	---	18	100		32	22
Potassium	mg/kg	---	1,268	---		2000	1700
Sodium	mg/kg	---	130	---		1200	160
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.54
Vanadium	mg/kg	---	25.2	550		21	13
Zinc	mg/kg	---	95	5100		54	38
pH			6.25	9		8.19	7.67
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.074	<0.050
Barium,SPLP	mg/L	---	---	---		0.64	0.11
Beryllium,SPLP	mg/L	---	---	---		0.0059	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		37	19
Chromium,SPLP	mg/L	---	---	---		0.13	<0.025
Cobalt,SPLP	mg/L	---	---	---		0.057	<0.025
Copper,SPLP	mg/L	---	---	---		0.2	0.025
Iron,SPLP	mg/L	---	---	---		150	0.31
Lead,SPLP	mg/L	---	---	---		0.12	0.0078
Magnesium,SPLP	mg/L	---	---	---		30	6.2
Manganese,SPLP	mg/L	---	---	---		1.3	0.022
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.19	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)
Schaumburg, IL
Terracon Project No. 11157103
Page 8 of 10

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B04 (0-5)	2678-8-B04 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Potassium,SPLP	mg/L	---	---	---		26	1.9
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0041	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.18	<0.025
Zinc,SPLP	mg/L	---	---	---		0.41	0.57
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.53	0.26
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	---	---	---		350	290
Cobalt,TCLP	mg/L	---	---	---		0.011	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.01
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.41	<0.20
Magnesium,TCLP	mg/L	---	---	---		59	150
Manganese,TCLP	mg/L	---	---	---		4.2	0.94
Nickel,TCLP	mg/L	---	---	---		0.014	<0.025
Potassium,TCLP	mg/L	---	---	---		4.5	4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.085	0.23

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B04 (10-15)
				CCDD	Sample Depth (feet)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Volatile Organic Analytical Parameters						
Acetone	mg/kg	---	---	25		<0.018
Semivolatile Organic Analytical Parameters						
Acenaphthene	mg/kg	0.09	0.13	570		<0.039
Anthracene	mg/kg	0.25	0.4	12000		<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.0095
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.019
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039
Chrysene	mg/kg	1.2	2.7	88		0.022
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		0.013
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		<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.009
Pyrene	mg/kg	1.9	3.0	2300		0.027
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		11
Barium	mg/kg	---	110	1500		29
Cadmium	mg/kg	---	0.6	5.2		0.19
Chromium, total	mg/kg	---	16.2	21		12
Lead	mg/kg	---	36	107		18
Mercury	mg/kg	---	0.06	0.1		0.018
Selenium	mg/kg	---	0.48	1.3		0.28
Silver	mg/kg	---	0.55	4.4		<0.28
Antimony	mg/kg	---	4.0	5		<1.1
Beryllium	mg/kg	---	0.59	22		0.58
Calcium	mg/kg	---	9,300	---		29000
Cobalt	mg/kg	---	8.9	20		17
Copper	mg/kg	---	19.6	2900		26
Cyanide	mg/kg	---	0.51	---		<0.57
Iron	mg/kg	---	15,900	15000		19000
Magnesium	mg/kg	---	4,820	325000		20000
Manganese	mg/kg	---	636	630		400
Nickel	mg/kg	---	18	100		33
Potassium	mg/kg	---	1,268	---		1700
Sodium	mg/kg	---	130	---		160
Thallium	mg/kg	---	0.32	2.6		<0.56
Vanadium	mg/kg	---	25.2	550		16
Zinc	mg/kg	---	95	5100		47
pH			6.25	9		7.75
Inorganic Analytical Parameters (SPLP)						
Antimony,SPLP	mg/L	---	---	---		<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050
Barium,SPLP	mg/L	---	---	---		0.14
Beryllium,SPLP	mg/L	---	---	---		<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050
Calcium,SPLP	mg/L	---	---	---		23
Chromium,SPLP	mg/L	---	---	---		0.019
Cobalt,SPLP	mg/L	---	---	---		<0.025
Copper,SPLP	mg/L	---	---	---		0.033
Iron,SPLP	mg/L	---	---	---		12
Lead,SPLP	mg/L	---	---	---		0.011
Magnesium,SPLP	mg/L	---	---	---		9.3
Manganese,SPLP	mg/L	---	---	---		0.15
Mercury,SPLP	mg/L	---	---	---		<0.00020
Nickel,SPLP	mg/L	---	---	---		0.022

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-8)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-8-B04 (10-15)
				CCDD	Sample Depth (feet)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Potassium,SPLP	mg/L	---	---	---		6.1
Selenium,SPLP	mg/L	---	---	---		<0.050
Silver,SPLP	mg/L	---	---	---		<0.025
Sodium,SPLP	mg/L	---	---	---		----
Thallium,SPLP	mg/L	---	---	---		<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.02
Zinc,SPLP	mg/L	---	---	---		0.23
Cyanide,SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.31
Cadmium,TCLP	mg/L	---	---	---		<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		330
Cobalt,TCLP	mg/L	---	---	---		<0.025
Copper,TCLP	mg/L	---	---	---		<0.025
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		<0.20
Magnesium,TCLP	mg/L	---	---	---		70
Manganese,TCLP	mg/L	---	---	---		1.8
Nickel,TCLP	mg/L	---	---	---		0.01
Potassium,TCLP	mg/L	---	---	---		6
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.05

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-103025-1
Client Project/Site: IDOT - Schaumburg - WO 03

For:
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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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Job ID: 500-103025-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-1

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was 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: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-8-B01 (0-5) (500-103025-1), 2678-8-B01 (5-11) (500-103025-2), 2678-8-B02 (0-5) (500-103025-3), 2678-8-B02 (10-15) (500-103025-5), 2678-8-B03 (5-10) (500-103025-8), 2678-8-B03 (10-15) (500-103025-9), 2678-8-B04 (0-5) (500-103025-10), 2678-8-B04 (5-10) (500-103025-11), 2678-8-B04 (10-15) (500-103025-12), (500-103025-F-1-B MS) and (500-103025-F-1-C MSD). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: Two acid surrogate recoveries for the following sample were outside the upper control limit: 2678-8-B02 (5-10) (500-103025-4). This sample did not contain any acid target analytes; therefore, re-extraction and/or re-analysis was not performed.

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) associated with batch 500-310405 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 2678-8-B01 (0-5) (500-103025-1), 2678-8-B01 (5-11) (500-103025-2), 2678-8-B02 (0-5) (500-103025-3), 2678-8-B02 (5-10) (500-103025-4) and 2678-8-B02 (10-15) (500-103025-5).

Method(s) 6010B: The interference check standard B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-8-B01 (0-5) (500-103025-1), 2678-8-B01 (5-11) (500-103025-2), 2678-8-B02 (0-5) (500-103025-3), 2678-8-B02 (5-10) (500-103025-4), 2678-8-B02 (10-15) (500-103025-5), 2678-8-B03 (0-5) (500-103025-6), 2678-8-B03 (0-5) DUP (500-103025-7), 2678-8-B03 (5-10) (500-103025-8), 2678-8-B03 (10-15) (500-103025-9), 2678-8-B04 (0-5) (500-103025-10), 2678-8-B04 (5-10) (500-103025-11) and 2678-8-B04 (10-15) (500-103025-12) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

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

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Job ID: 500-103025-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

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

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Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.071		0.040	0.0055	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.093		0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.18	F1	0.040	0.0087	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.073	F1	0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.060		0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.11		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.019	J	0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.19		0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.084		0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.043		0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.13	F1	0.040	0.0081	mg/Kg	1	☼	8270D	Total/NA
Arsenic	11		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	94		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.74		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	27		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5500		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	8100		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	450		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.58		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	24		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	69		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	320		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.9	F1	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.023	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.012	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.27	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	27	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.037		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	29		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.017		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	11	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	8.0	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.052		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.57	F1 B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.036		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.48		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.014	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.018	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.4		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	30		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.9		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	22	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	54000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	260		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.45	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	55		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	490		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	550		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	32		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.5		2.5	0.50	mg/L	1		6010B	TCLP
Arsenic	0.031	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0055		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	75	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	99		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.053		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	48	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.84		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	32	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.25	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0022		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.029		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.11		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.020	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5) (Continued)

Lab Sample ID: 500-103025-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]pyrene	0.028	J	0.039	0.0077	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.051		0.039	0.0086	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.019	J	0.039	0.013	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.013	J	0.039	0.012	mg/Kg	1	☼	☼	8270D	Total/NA
Chrysene	0.031	J	0.039	0.011	mg/Kg	1	☼	☼	8270D	Total/NA
Fluoranthene	0.039		0.039	0.0074	mg/Kg	1	☼	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.017	J	0.039	0.010	mg/Kg	1	☼	☼	8270D	Total/NA
Phenanthrene	0.017	J	0.039	0.0055	mg/Kg	1	☼	☼	8270D	Total/NA
Pyrene	0.052		0.039	0.0079	mg/Kg	1	☼	☼	8270D	Total/NA
Antimony	0.37	J	1.1	0.24	mg/Kg	1	☼	☼	6010B	Total/NA
Arsenic	6.8		0.57	0.26	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	59		0.57	0.10	mg/Kg	1	☼	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.049	mg/Kg	1	☼	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.033	mg/Kg	1	☼	☼	6010B	Total/NA
Chromium	15	B	0.57	0.097	mg/Kg	1	☼	☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1	☼	☼	6010B	Total/NA
Copper	20	B	0.57	0.12	mg/Kg	1	☼	☼	6010B	Total/NA
Iron	17000		11	4.4	mg/Kg	1	☼	☼	6010B	Total/NA
Lead	17		0.28	0.14	mg/Kg	1	☼	☼	6010B	Total/NA
Magnesium	14000		5.7	2.3	mg/Kg	1	☼	☼	6010B	Total/NA
Calcium	25000		11	3.6	mg/Kg	1	☼	☼	6010B	Total/NA
Manganese	300		0.57	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Nickel	28		0.57	0.15	mg/Kg	1	☼	☼	6010B	Total/NA
Selenium	0.30	J	0.57	0.28	mg/Kg	1	☼	☼	6010B	Total/NA
Vanadium	19		0.28	0.083	mg/Kg	1	☼	☼	6010B	Total/NA
Zinc	62		1.1	0.36	mg/Kg	1	☼	☼	6010B	Total/NA
Potassium	1600		28	4.6	mg/Kg	1	☼	☼	6010B	Total/NA
Sodium	900		57	7.5	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	390		5.0	0.50	mg/L	1			6010B	TCLP
Magnesium	76		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.084		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	3.5		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.23	J	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.053		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.52		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0048		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	47	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.12		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.033		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.13		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	110		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.068		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	33	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.52		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.12		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	26	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.15		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.91	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0036		0.0020	0.0020	mg/L	1			6020A	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5) (Continued)

Lab Sample ID: 500-103025-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.031		0.020	0.0070	mg/Kg	1	☼	7471B	Total/NA
pH	9.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.021	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.037	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.017	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	1.0		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	38		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.19	J	0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.078	J	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	2.8	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	1.2		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	2.8	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	3000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	4.4		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	900		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	5600		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	67		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	2.2		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	5.2		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	48		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	780		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	29	J	57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	520		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	41		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.028		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	8.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.065	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.010	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.21	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	66	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	33		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.021		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	22	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.38		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	15	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.057		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.20	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.027		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.050		0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.047		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.018	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.24	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.6		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.50		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	15000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	420		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.29	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	41		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	290		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.52		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	510		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.052		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	11		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.51		0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.15	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	43	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.024	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	4.8		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	9.6	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	6.2	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.77	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.96		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.037		0.024	0.0046	mg/Kg	1	☼	8260B	Total/NA
Benzof[a]anthracene	0.0091	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) (Continued)

Lab Sample ID: 500-103025-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.022	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.015	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.018	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0056	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.019	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.9		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	65		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	35		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	9600		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	16000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	260		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		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	21		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	64		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	410		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	52		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.6		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	5.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.072	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.055		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.64		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0062		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	36	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.058		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.10		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	32	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.2		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	27	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.43	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0034		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.034		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.32		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP (Continued)

Lab Sample ID: 500-103025-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	0.012	J	0.021	0.0041	mg/Kg	1	☼	☼	8260B	Total/NA
Anthracene	0.0076	J	0.040	0.0067	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[a]anthracene	0.028	J	0.040	0.0054	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[a]pyrene	0.028	J	0.040	0.0078	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.045		0.040	0.0087	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.014	J	0.040	0.013	mg/Kg	1	☼	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.017	J	0.040	0.012	mg/Kg	1	☼	☼	8270D	Total/NA
Chrysene	0.035	J	0.040	0.011	mg/Kg	1	☼	☼	8270D	Total/NA
Fluoranthene	0.066		0.040	0.0074	mg/Kg	1	☼	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.014	J	0.040	0.010	mg/Kg	1	☼	☼	8270D	Total/NA
Phenanthrene	0.037	J	0.040	0.0056	mg/Kg	1	☼	☼	8270D	Total/NA
Pyrene	0.055		0.040	0.0080	mg/Kg	1	☼	☼	8270D	Total/NA
Arsenic	6.2		0.58	0.27	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	79		0.58	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Beryllium	0.73		0.23	0.050	mg/Kg	1	☼	☼	6010B	Total/NA
Cadmium	0.29		0.12	0.033	mg/Kg	1	☼	☼	6010B	Total/NA
Chromium	19	B	0.58	0.099	mg/Kg	1	☼	☼	6010B	Total/NA
Cobalt	12		0.29	0.065	mg/Kg	1	☼	☼	6010B	Total/NA
Copper	24	B	0.58	0.13	mg/Kg	1	☼	☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	☼	☼	6010B	Total/NA
Lead	31		0.29	0.14	mg/Kg	1	☼	☼	6010B	Total/NA
Magnesium	7800		5.8	2.3	mg/Kg	1	☼	☼	6010B	Total/NA
Calcium	11000		12	3.7	mg/Kg	1	☼	☼	6010B	Total/NA
Manganese	270		0.58	0.11	mg/Kg	1	☼	☼	6010B	Total/NA
Nickel	31		0.58	0.16	mg/Kg	1	☼	☼	6010B	Total/NA
Selenium	0.29	J	0.58	0.29	mg/Kg	1	☼	☼	6010B	Total/NA
Vanadium	21		0.29	0.084	mg/Kg	1	☼	☼	6010B	Total/NA
Zinc	64		1.2	0.37	mg/Kg	1	☼	☼	6010B	Total/NA
Potassium	1500		29	4.7	mg/Kg	1	☼	☼	6010B	Total/NA
Sodium	1200		58	7.6	mg/Kg	1	☼	☼	6010B	Total/NA
Barium	0.47	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	430		5.0	0.50	mg/L	1			6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	3.2		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	6.3		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.30	J	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.028	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	36	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.074		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.029		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.10		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	67		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.062		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	19	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.82		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.086		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	15	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.099		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.46	J B	0.50	0.020	mg/L	1			6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP (Continued)

Lab Sample ID: 500-103025-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.039		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.32	J	0.60	0.20	mg/Kg	1	☼	9014	Total/NA
pH	8.12		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.028		0.021	0.0040	mg/Kg	1	☼	8260B	Total/NA
Antimony	0.37	J F1	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.8	F1	0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	32		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B F1	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	16	F1	0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000	F2	5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000	F2	120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	280	F2	0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.65	F1	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200	F1	29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	420	B	58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	360		5.0	0.50	mg/L	1		6010B	TCLP
Iron	0.20		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	84		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.082	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.037	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	34	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.074		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.030		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	74		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.063		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	20	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.76		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.098		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	16	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.099		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.30	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0021		0.0020	0.0020	mg/L	1		6020A	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10) (Continued)

Lab Sample ID: 500-103025-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.033		0.020	0.0070	mg/Kg	1	☼	7471B	Total/NA
pH	8.06		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.024		0.020	0.0038	mg/Kg	1	☼	8260B	Total/NA
Acenaphthene	0.0076	J	0.036	0.0065	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.026	J	0.036	0.0098	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0071	J	0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.12		0.036	0.0066	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.097		0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.035	J	0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.4		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	13	B	0.54	0.093	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	6500		11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	320		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.56		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	180		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	200	B	54	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.40	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	520		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	33		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.082		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.33	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.086	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	22	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.025		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.49		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.3	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.048		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.5	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	1.1	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	7.93		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0081	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.019	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.013	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0067	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.019	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.32	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.9		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	50		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	32000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	520		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	54		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200	B	56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.53		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	350		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.41		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	59		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.085	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.074		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.64		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0059		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	37	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.057		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	150		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	30	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.3		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	26	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.41	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0041		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.045		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5) (Continued)

Lab Sample ID: 500-103025-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	8.19		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.038		0.028	0.0054	mg/Kg	1	☼	8260B	Total/NA
Arsenic	5.0		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	25		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.47		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.54	0.093	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.6		0.27	0.061	mg/Kg	1	☼	6010B	Total/NA
Copper	16	B	0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	13000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	9.1		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	30000		11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	250		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	22		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.59		0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	38		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	160	B	54	7.2	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	0.010	J	0.025	0.010	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
Potassium	4.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.23	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.11	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	19	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.025		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.31		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0078		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	6.2	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	1.9	J B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.57	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.032		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.67		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.0095	J	0.039	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.019	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.022	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.013	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15) (Continued)

Lab Sample ID: 500-103025-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0090	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.027	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	11		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	29		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	17		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	29000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		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	16		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	160	B	56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.050	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.14	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	12		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.011		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	9.3	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	6.1	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.23	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.018		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	7.75		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-1	2678-8-B01 (0-5)	Solid	10/23/15 15:25	10/24/15 08:50
500-103025-2	2678-8-B01 (5-11)	Solid	10/23/15 15:35	10/24/15 08:50
500-103025-3	2678-8-B02 (0-5)	Solid	10/23/15 14:40	10/24/15 08:50
500-103025-4	2678-8-B02 (5-10)	Solid	10/23/15 14:50	10/24/15 08:50
500-103025-5	2678-8-B02 (10-15)	Solid	10/23/15 15:00	10/24/15 08:50
500-103025-6	2678-8-B03 (0-5)	Solid	10/23/15 14:05	10/24/15 08:50
500-103025-7	2678-8-B03 (0-5) DUP	Solid	10/23/15 14:05	10/24/15 08:50
500-103025-8	2678-8-B03 (5-10)	Solid	10/23/15 14:15	10/24/15 08:50
500-103025-9	2678-8-B03 (10-15)	Solid	10/23/15 14:25	10/24/15 08:50
500-103025-10	2678-8-B04 (0-5)	Solid	10/23/15 13:25	10/24/15 08:50
500-103025-11	2678-8-B04 (5-10)	Solid	10/23/15 13:30	10/24/15 08:50
500-103025-12	2678-8-B04 (10-15)	Solid	10/23/15 13:45	10/24/15 08:50

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0040	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Benzene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Bromodichloromethane	<0.0051		0.0051	0.00086	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Bromoform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
2-Butanone (MEK)	<0.0051		0.0051	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Carbon disulfide	<0.0051		0.0051	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Carbon tetrachloride	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Chlorobenzene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Chloroethane	<0.0051	*	0.0051	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Chloroform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Chloromethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Dibromochloromethane	<0.0051		0.0051	0.00059	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,1-Dichloroethane	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,2-Dichloroethane	<0.0051		0.0051	0.00076	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,1-Dichloroethene	<0.0051		0.0051	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,2-Dichloropropane	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,3-Dichloropropane, Total	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Ethylbenzene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Methylene Chloride	<0.0051		0.0051	0.0039	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Methyl tert-butyl ether	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Styrene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.00081	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Tetrachloroethene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Toluene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Trichloroethene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Vinyl acetate	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Vinyl chloride	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/27/15 11:52	1
Dibromofluoromethane	101		75 - 120	10/24/15 13:20	10/27/15 11:52	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/24/15 13:20	10/27/15 11:52	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/27/15 11:52	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	☼	10/28/15 07:26	11/02/15 13:22	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Benzo[a]anthracene	0.071		0.040	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.093		0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Benzo[b]fluoranthene	0.18	F1	0.040	0.0087	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Benzo[g,h,i]perylene	0.073	F1	0.040	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Benzo[k]fluoranthene	0.060		0.040	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Chrysene	0.11		0.040	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Dibenz(a,h)anthracene	0.019	J	0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
1,3-Dichlorobenzene	<0.20	F1	0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Fluoranthene	0.19		0.040	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Hexachlorocyclopentadiene	<0.82	F1	0.82	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Indeno[1,2,3-cd]pyrene	0.084		0.040	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Methylnaphthalene	<0.040		0.040	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/28/15 07:26	11/02/15 13:22	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Pentachlorophenol	<0.82	F1	0.82	0.65	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Phenanthrene	0.043		0.040	0.0056	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
Pyrene	0.13	F1	0.040	0.0081	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/28/15 07:26	11/02/15 13:22	1
2-Fluorophenol	134	X	25 - 110	10/28/15 07:26	11/02/15 13:22	1
Nitrobenzene-d5	74		25 - 115	10/28/15 07:26	11/02/15 13:22	1
Phenol-d5	91		31 - 110	10/28/15 07:26	11/02/15 13:22	1
Terphenyl-d14	102		36 - 134	10/28/15 07:26	11/02/15 13:22	1
2,4,6-Tribromophenol	69		35 - 137	10/28/15 07:26	11/02/15 13:22	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	☼	10/28/15 13:00	10/30/15 00:22	1
Arsenic	11		0.57	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Barium	94		0.57	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Beryllium	0.74		0.23	0.050	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Cadmium	0.18		0.11	0.033	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Chromium	17	B	0.57	0.098	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Copper	23	B	0.57	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Iron	20000		11	4.4	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Lead	27		0.29	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Magnesium	5500		5.7	2.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Calcium	8100		11	3.7	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Manganese	450		0.57	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Nickel	26		0.57	0.16	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Selenium	0.58		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Vanadium	24		0.29	0.084	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Zinc	69		1.1	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 20:23	1
Potassium	1300		29	4.7	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1
Sodium	320		57	7.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	^	0.050	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Barium	0.51		0.50	0.050	mg/L		10/29/15 10:50	10/30/15 03:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 03:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 03:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.2

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		10/29/15 10:50	10/30/15 03:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 03:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 03:00	1
Magnesium	110		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:00	1
Manganese	0.036		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Potassium	2.9	F1	2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:00	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 03:00	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:00	1
Zinc	0.023	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Barium	0.27	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 21:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 21:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 21:31	1
Calcium	27	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 21:31	1
Chromium	0.037		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Copper	0.042		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Iron	29		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 21:31	1
Lead	0.017		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 21:31	1
Magnesium	11	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 21:31	1
Manganese	0.20		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Nickel	0.033		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Potassium	8.0	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 21:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 21:31	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Vanadium	0.052		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:31	1
Zinc	0.57	F1 B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 21:31	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		10/29/15 10:50	11/04/15 16:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:07	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:29	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (0-5)

Lab Sample ID: 500-103025-1

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.2

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		10/29/15 17:00	10/30/15 11:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/28/15 15:30	10/28/15 22:59	1
pH	8.48		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Date Collected: 10/23/15 15:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,1,1,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/27/15 12:16	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/27/15 12:16	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/24/15 13:20	10/27/15 12:16	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/27/15 12:16	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	☼	10/28/15 07:26	11/02/15 13:51	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Date Collected: 10/23/15 15:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Methylnaphthalene	0.014	J	0.037	0.0068	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Date Collected: 10/23/15 15:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.35	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Phenanthrene	0.018	J	0.037	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	10/28/15 07:26	11/02/15 13:51	1
2-Fluorophenol	226	X	25 - 110	10/28/15 07:26	11/02/15 13:51	1
Nitrobenzene-d5	74		25 - 115	10/28/15 07:26	11/02/15 13:51	1
Phenol-d5	76		31 - 110	10/28/15 07:26	11/02/15 13:51	1
Terphenyl-d14	101		36 - 134	10/28/15 07:26	11/02/15 13:51	1
2,4,6-Tribromophenol	89		35 - 137	10/28/15 07:26	11/02/15 13:51	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	☼	10/28/15 13:00	10/30/15 00:27	1
Arsenic	6.4		0.55	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Barium	30		0.55	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Cadmium	0.13		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Chromium	15	B	0.55	0.095	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Cobalt	9.9		0.28	0.062	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Copper	22	B	0.55	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Iron	17000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Lead	12		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Magnesium	22000		5.5	2.2	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Calcium	54000	B	110	36	mg/Kg	☼	10/28/15 13:00	10/30/15 20:33	10
Manganese	260		0.55	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Nickel	29		0.55	0.15	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Selenium	0.45	J	0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Vanadium	17		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Zinc	55		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 20:28	1
Potassium	2200		28	4.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1
Sodium	490		55	7.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:27	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	^	0.050	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Barium	0.33	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 03:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 03:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 03:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Date Collected: 10/23/15 15:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	550		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 03:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 03:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 03:27	1
Magnesium	32		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:27	1
Manganese	1.8		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Nickel	0.035		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Potassium	6.5		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:27	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 03:27	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/29/15 10:50	10/30/15 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031	J	0.050	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Barium	0.38	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 21:58	1
Beryllium	0.0055		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 21:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 21:58	1
Calcium	75	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 21:58	1
Chromium	0.13		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Cobalt	0.050		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Copper	0.12		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Iron	99		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 21:58	1
Lead	0.053		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 21:58	1
Magnesium	48	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 21:58	1
Manganese	0.84		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Nickel	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Potassium	32	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 21:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 21:58	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Vanadium	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 21:58	1
Zinc	0.25	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 21:58	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		10/29/15 10:50	11/04/15 16:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:10	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:33	1
Thallium	0.0022		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B01 (5-11)

Lab Sample ID: 500-103025-2

Date Collected: 10/23/15 15:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.4

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		10/29/15 17:00	10/30/15 11:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 23:00	1
pH	8.11		0.200	0.200	SU			10/30/15 14:57	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Date Collected: 10/23/15 14:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.3

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	☼	10/24/15 13:20	10/27/15 12:40	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Bromodichloromethane	<0.0049		0.0049	0.00083	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Chloroethane	<0.0049	*	0.0049	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 12:40	1
Dibromofluoromethane	98		75 - 120	10/24/15 13:20	10/27/15 12:40	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/24/15 13:20	10/27/15 12:40	1
Toluene-d8 (Surr)	94		75 - 122	10/24/15 13:20	10/27/15 12:40	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	☼	10/28/15 07:26	11/02/15 14:20	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Benzo[a]anthracene	0.020	J	0.039	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Date Collected: 10/23/15 14:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.028	J	0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Benzo[b]fluoranthene	0.051		0.039	0.0086	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Benzo[g,h,i]perylene	0.019	J	0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Benzo[k]fluoranthene	0.013	J	0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Chrysene	0.031	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Fluoranthene	0.039		0.039	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Indeno[1,2,3-cd]pyrene	0.017	J	0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Date Collected: 10/23/15 14:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/28/15 07:26	11/02/15 14:20	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Phenanthrene	0.017	J	0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
Pyrene	0.052		0.039	0.0079	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		25 - 119	10/28/15 07:26	11/02/15 14:20	1
2-Fluorophenol	145	X	25 - 110	10/28/15 07:26	11/02/15 14:20	1
Nitrobenzene-d5	71		25 - 115	10/28/15 07:26	11/02/15 14:20	1
Phenol-d5	93		31 - 110	10/28/15 07:26	11/02/15 14:20	1
Terphenyl-d14	153	X	36 - 134	10/28/15 07:26	11/02/15 14:20	1
2,4,6-Tribromophenol	67		35 - 137	10/28/15 07:26	11/02/15 14:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.1	0.24	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Arsenic	6.8		0.57	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Barium	59		0.57	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Beryllium	0.65		0.23	0.049	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Chromium	15	B	0.57	0.097	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Cobalt	12		0.28	0.064	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Copper	20	B	0.57	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Iron	17000		11	4.4	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Lead	17		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Magnesium	14000		5.7	2.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Calcium	25000		11	3.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Manganese	300		0.57	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Nickel	28		0.57	0.15	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Selenium	0.30	J	0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Vanadium	19		0.28	0.083	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Zinc	62		1.1	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 20:37	1
Potassium	1600		28	4.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1
Sodium	900		57	7.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	^	0.050	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Barium	0.43	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 03:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 03:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 03:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Date Collected: 10/23/15 14:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 03:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 03:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 03:34	1
Magnesium	76		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:34	1
Manganese	0.084		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Potassium	3.5		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:34	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 03:34	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:34	1
Zinc	0.23	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Barium	0.52		0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:04	1
Beryllium	0.0048		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:04	1
Calcium	47	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:04	1
Chromium	0.12		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Cobalt	0.033		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Copper	0.13		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Iron	110		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:04	1
Lead	0.068		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:04	1
Magnesium	33	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:04	1
Manganese	0.52		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Nickel	0.12		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Potassium	26	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:04	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Vanadium	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:04	1
Zinc	0.91	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:04	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		10/29/15 10:50	11/04/15 16:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:11	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:34	1
Thallium	0.0036		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (0-5)

Lab Sample ID: 500-103025-3

Date Collected: 10/23/15 14:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.3

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		10/29/15 17:00	10/30/15 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:00	1
pH	9.15		0.200	0.200	SU			10/30/15 15:01	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Date Collected: 10/23/15 14:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Benzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Bromodichloromethane	<0.0052		0.0052	0.00088	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
2-Butanone (MEK)	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	10/24/15 13:20	10/27/15 13:03	1
Dibromofluoromethane	103		75 - 120	10/24/15 13:20	10/27/15 13:03	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/24/15 13:20	10/27/15 13:03	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 13:03	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	☼	10/28/15 07:26	11/02/15 14:49	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Date Collected: 10/23/15 14:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Chrysene	0.021	J	0.038	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Date Collected: 10/23/15 14:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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	☼	10/28/15 07:26	11/02/15 14:49	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Phenanthrene	0.037	J	0.038	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
Pyrene	0.017	J	0.038	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:26	11/02/15 14:49	1
2-Fluorophenol	138	X	25 - 110	10/28/15 07:26	11/02/15 14:49	1
Nitrobenzene-d5	79		25 - 115	10/28/15 07:26	11/02/15 14:49	1
Phenol-d5	137	X	31 - 110	10/28/15 07:26	11/02/15 14:49	1
Terphenyl-d14	120		36 - 134	10/28/15 07:26	11/02/15 14:49	1
2,4,6-Tribromophenol	75		35 - 137	10/28/15 07:26	11/02/15 14:49	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	☼	10/28/15 13:00	10/30/15 00:37	1
Arsenic	1.0		0.57	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Barium	38		0.57	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Beryllium	0.19	J	0.23	0.049	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Cadmium	0.078	J	0.11	0.033	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Chromium	2.8	B	0.57	0.097	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Cobalt	1.2		0.28	0.064	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Copper	2.8	B	0.57	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Iron	3000		11	4.4	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Lead	4.4		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Magnesium	900		5.7	2.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Calcium	5600		11	3.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Manganese	67		0.57	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Nickel	2.2		0.57	0.15	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Vanadium	5.2		0.28	0.083	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Zinc	48		1.1	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 20:42	1
Potassium	780		28	4.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1
Sodium	29	J	57	7.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	^	0.050	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Barium	0.36	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 03:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 03:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 03:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Date Collected: 10/23/15 14:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	520		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 03:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 03:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 03:40	1
Magnesium	41		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:40	1
Manganese	1.3		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Nickel	0.028		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Potassium	8.7		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:40	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 03:40	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:40	1
Zinc	0.065	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Barium	0.21	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:27	1
Calcium	66	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:27	1
Chromium	0.050		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Cobalt	0.018	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Copper	0.051		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Iron	33		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:27	1
Lead	0.021		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:27	1
Magnesium	22	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:27	1
Manganese	0.38		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Nickel	0.051		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Potassium	15	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:27	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Vanadium	0.057		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:27	1
Zinc	0.20	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:27	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		10/29/15 10:50	11/04/15 16:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (5-10)

Lab Sample ID: 500-103025-4

Date Collected: 10/23/15 14:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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		10/29/15 17:00	10/30/15 11:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:00	1
pH	8.15		0.200	0.200	SU			10/30/15 15:05	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Date Collected: 10/23/15 15:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0042	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Benzene	<0.0055		0.0055	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Bromodichloromethane	<0.0055		0.0055	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Bromoform	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Bromomethane	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
2-Butanone (MEK)	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Carbon disulfide	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Carbon tetrachloride	<0.0055		0.0055	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Chlorobenzene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Chloroethane	<0.0055	*	0.0055	0.0023	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Chloroform	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Chloromethane	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
cis-1,2-Dichloroethene	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
cis-1,3-Dichloropropene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Dibromochloromethane	<0.0055		0.0055	0.00063	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,1-Dichloroethane	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,2-Dichloroethane	<0.0055		0.0055	0.00081	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,1-Dichloroethene	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,2-Dichloropropane	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,3-Dichloropropane, Total	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Ethylbenzene	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
2-Hexanone	<0.0055		0.0055	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Methylene Chloride	<0.0055		0.0055	0.0041	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
4-Methyl-2-pentanone (MIBK)	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Methyl tert-butyl ether	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Styrene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,1,2,2-Tetrachloroethane	<0.0055		0.0055	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Tetrachloroethene	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Toluene	<0.0055		0.0055	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
trans-1,2-Dichloroethene	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
trans-1,3-Dichloropropene	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,1,1-Trichloroethane	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
1,1,2-Trichloroethane	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Trichloroethene	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Vinyl acetate	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Vinyl chloride	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/24/15 13:20	10/27/15 13:27	1
Dibromofluoromethane	103		75 - 120	10/24/15 13:20	10/27/15 13:27	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/27/15 13:27	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Date Collected: 10/23/15 15:00

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Methylnaphthalene	0.050		0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Date Collected: 10/23/15 15:00

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/28/15 07:26	11/02/15 15:18	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Phenanthrene	0.047		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
Pyrene	0.018	J	0.039	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		25 - 119	10/28/15 07:26	11/02/15 15:18	1
2-Fluorophenol	164	X	25 - 110	10/28/15 07:26	11/02/15 15:18	1
Nitrobenzene-d5	68		25 - 115	10/28/15 07:26	11/02/15 15:18	1
Phenol-d5	80		31 - 110	10/28/15 07:26	11/02/15 15:18	1
Terphenyl-d14	138	X	36 - 134	10/28/15 07:26	11/02/15 15:18	1
2,4,6-Tribromophenol	70		35 - 137	10/28/15 07:26	11/02/15 15:18	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	☼	10/28/15 13:00	10/30/15 00:41	1
Arsenic	8.6		0.55	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Barium	46		0.55	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Beryllium	0.50		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Cadmium	0.11		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Chromium	12	B	0.55	0.095	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Cobalt	14		0.28	0.062	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Copper	23	B	0.55	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Iron	15000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Lead	13		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Magnesium	27000		5.5	2.2	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Calcium	62000	B	110	36	mg/Kg	☼	10/28/15 13:00	10/30/15 20:53	10
Manganese	420		0.55	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Nickel	29		0.55	0.15	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Selenium	0.29	J	0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Vanadium	14		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Zinc	41		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 20:47	1
Potassium	1800		28	4.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	1
Sodium	290		55	7.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:41	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		10/29/15 10:50	10/30/15 03:47	1
Barium	0.52		0.50	0.050	mg/L		10/29/15 10:50	10/30/15 03:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 03:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 03:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Date Collected: 10/23/15 15:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	510		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 03:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Copper	0.012	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 03:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 03:47	1
Magnesium	34		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:47	1
Manganese	1.7		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Nickel	0.052		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Potassium	11		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 03:47	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 03:47	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 03:47	1
Zinc	0.51		0.50	0.020	mg/L		10/29/15 10:50	10/30/15 03:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Barium	0.15	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:34	1
Calcium	43	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:34	1
Chromium	0.015	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Copper	0.024	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Iron	4.8		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:34	1
Magnesium	9.6	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:34	1
Manganese	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Nickel	0.019	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Potassium	6.2	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:34	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Vanadium	0.014	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:34	1
Zinc	0.77	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:34	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		10/29/15 10:50	11/04/15 16:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B02 (10-15)

Lab Sample ID: 500-103025-5

Date Collected: 10/23/15 15:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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		10/29/15 17:00	10/30/15 11:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:01	1
pH	7.96		0.200	0.200	SU			10/30/15 15:08	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.037		0.024	0.0046	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Benzene	<0.0060		0.0060	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Bromodichloromethane	<0.0060		0.0060	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Bromoform	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Bromomethane	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
2-Butanone (MEK)	<0.0060		0.0060	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Carbon disulfide	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Carbon tetrachloride	<0.0060		0.0060	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Chlorobenzene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Chloroethane	<0.0060	*	0.0060	0.0025	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Chloroform	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Chloromethane	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
cis-1,2-Dichloroethene	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
cis-1,3-Dichloropropene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Dibromochloromethane	<0.0060		0.0060	0.00068	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,1-Dichloroethane	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,2-Dichloroethane	<0.0060		0.0060	0.00088	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,1-Dichloroethene	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,2-Dichloropropane	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,3-Dichloropropane, Total	<0.0060		0.0060	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Ethylbenzene	<0.0060		0.0060	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
2-Hexanone	<0.0060		0.0060	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Methylene Chloride	<0.0060		0.0060	0.0045	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
4-Methyl-2-pentanone (MIBK)	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Methyl tert-butyl ether	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Styrene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,1,2,2-Tetrachloroethane	<0.0060		0.0060	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Tetrachloroethene	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Toluene	<0.0060		0.0060	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
trans-1,2-Dichloroethene	<0.0060		0.0060	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
trans-1,3-Dichloropropene	<0.0060		0.0060	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,1,1-Trichloroethane	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
1,1,2-Trichloroethane	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Trichloroethene	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Vinyl acetate	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Vinyl chloride	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1
Xylenes, Total	<0.012		0.012	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/27/15 13:51	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/27/15 13:51	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/27/15 13:51	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/27/15 13:51	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	☼	10/28/15 07:26	11/02/15 15:47	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Benzo[a]anthracene	0.0091	J	0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Benzo[b]fluoranthene	0.022	J	0.039	0.0084	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Chrysene	0.015	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Fluoranthene	0.018	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.78		0.78	0.37	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Phenanthrene	0.0056	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Pyrene	0.019	J	0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119				10/28/15 07:26	11/02/15 15:47	1
2-Fluorophenol	80		25 - 110				10/28/15 07:26	11/02/15 15:47	1
Nitrobenzene-d5	75		25 - 115				10/28/15 07:26	11/02/15 15:47	1
Phenol-d5	85		31 - 110				10/28/15 07:26	11/02/15 15:47	1
Terphenyl-d14	119		36 - 134				10/28/15 07:26	11/02/15 15:47	1
2,4,6-Tribromophenol	58		35 - 137				10/28/15 07:26	11/02/15 15:47	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	☼	10/28/15 13:00	10/30/15 00:46	1
Arsenic	6.9		0.55	0.26	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Barium	65		0.55	0.10	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Beryllium	0.69		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Cadmium	0.21		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Chromium	15	B	0.55	0.095	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Cobalt	13		0.28	0.062	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Copper	23	B	0.55	0.12	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Iron	17000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Lead	35		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Magnesium	9600		5.5	2.2	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Calcium	16000		11	3.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Manganese	260		0.55	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Nickel	27		0.55	0.15	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Selenium	0.37	J	0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Vanadium	21		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Zinc	64		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 20:57	1
Potassium	1500		28	4.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	1
Sodium	1200		55	7.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:46	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		10/29/15 10:50	10/30/15 04:10	1
Barium	0.42	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 04:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:10	1
Magnesium	52		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:10	1
Manganese	2.6		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Potassium	5.3		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:10	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:10	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:10	1
Zinc	0.072	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.055		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Barium	0.64		0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:40	1
Beryllium	0.0062		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:40	1
Calcium	36	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:40	1
Chromium	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Cobalt	0.058		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Copper	0.20		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Iron	140		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:40	1
Lead	0.10		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:40	1
Magnesium	32	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:40	1
Manganese	1.2		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Nickel	0.17		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Potassium	27	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:40	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Vanadium	0.20		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:40	1
Zinc	0.43	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:40	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		10/29/15 10:50	11/04/15 16:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:38	1
Thallium	0.0034		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5)

Lab Sample ID: 500-103025-6

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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		10/29/15 17:00	10/30/15 11:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:01	1
pH	8.32		0.200	0.200	SU			10/30/15 15:12	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012	J	0.021	0.0041	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Benzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Bromodichloromethane	<0.0053		0.0053	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Bromoform	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Bromomethane	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
2-Butanone (MEK)	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Carbon disulfide	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Carbon tetrachloride	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Chlorobenzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Chloroethane	<0.0053	*	0.0053	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Chloroform	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Chloromethane	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Dibromochloromethane	<0.0053		0.0053	0.00061	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,1-Dichloroethane	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,2-Dichloroethane	<0.0053		0.0053	0.00078	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,1-Dichloroethene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,2-Dichloropropane	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,3-Dichloropropene, Total	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Ethylbenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
2-Hexanone	<0.0053		0.0053	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Methylene Chloride	<0.0053		0.0053	0.0040	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
4-Methyl-2-pentanone (MIBK)	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Methyl tert-butyl ether	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Styrene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.00084	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Tetrachloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Toluene	<0.0053		0.0053	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Trichloroethene	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Vinyl acetate	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Vinyl chloride	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/24/15 13:20	10/27/15 14:15	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/27/15 14:15	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/24/15 13:20	10/27/15 14:15	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/27/15 14:15	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	☼	10/28/15 07:26	11/04/15 20:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Anthracene	0.0076	J	0.040	0.0067	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Benzo[a]anthracene	0.028	J	0.040	0.0054	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.1

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	0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Benzo[b]fluoranthene	0.045		0.040	0.0087	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Benzo[g,h,i]perylene	0.014	J	0.040	0.013	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Benzo[k]fluoranthene	0.017	J	0.040	0.012	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Chrysene	0.035	J	0.040	0.011	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Fluoranthene	0.066		0.040	0.0074	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Indeno[1,2,3-cd]pyrene	0.014	J	0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.1

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	☼	10/28/15 07:26	11/04/15 20:42	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Phenanthrene	0.037	J	0.040	0.0056	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
Pyrene	0.055		0.040	0.0080	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:26	11/04/15 20:42	1
2-Fluorophenol	86		25 - 110	10/28/15 07:26	11/04/15 20:42	1
Nitrobenzene-d5	71		25 - 115	10/28/15 07:26	11/04/15 20:42	1
Phenol-d5	90		31 - 110	10/28/15 07:26	11/04/15 20:42	1
Terphenyl-d14	114		36 - 134	10/28/15 07:26	11/04/15 20:42	1
2,4,6-Tribromophenol	41		35 - 137	10/28/15 07:26	11/04/15 20:42	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	☼	10/28/15 13:00	10/30/15 00:51	1
Arsenic	6.2		0.58	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Barium	79		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Beryllium	0.73		0.23	0.050	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Cadmium	0.29		0.12	0.033	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Chromium	19	B	0.58	0.099	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Cobalt	12		0.29	0.065	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Copper	24	B	0.58	0.13	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Iron	18000		12	4.5	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Lead	31		0.29	0.14	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Magnesium	7800		5.8	2.3	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Calcium	11000		12	3.7	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Manganese	270		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Nickel	31		0.58	0.16	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Selenium	0.29	J	0.58	0.29	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Vanadium	21		0.29	0.084	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Zinc	64		1.2	0.37	mg/Kg	☼	10/28/15 13:00	10/30/15 21:02	1
Potassium	1500		29	4.7	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	1
Sodium	1200		58	7.6	mg/Kg	☼	10/28/15 13:00	10/30/15 00:51	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		10/29/15 10:50	10/30/15 04:17	1
Barium	0.47	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 04:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:17	1
Magnesium	34		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:17	1
Manganese	3.2		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Potassium	6.3		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:17	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:17	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:17	1
Zinc	0.30	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Barium	0.38	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:47	1
Calcium	36	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:47	1
Chromium	0.074		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Cobalt	0.029		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Copper	0.10		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Iron	67		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:47	1
Lead	0.062		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:47	1
Magnesium	19	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:47	1
Manganese	0.82		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Nickel	0.086		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Potassium	15	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:47	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Vanadium	0.099		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:47	1
Zinc	0.46	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:47	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		10/29/15 10:50	11/04/15 16:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:16	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (0-5) DUP

Lab Sample ID: 500-103025-7

Date Collected: 10/23/15 14:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.1

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		10/29/15 17:00	10/30/15 11:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.32	J	0.60	0.20	mg/Kg	☼	10/28/15 15:30	10/28/15 23:01	1
pH	8.12		0.200	0.200	SU			10/30/15 15:16	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Lists various organic compounds and their detection results.

Table with 6 columns: Surrogate, %Recovery, Qualifier, Limits, Prepared, Analyzed, Dil Fac. Lists surrogate compounds and their recovery percentages.

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Lists semivolatile organic compounds and their detection results.

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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	☼	10/28/15 07:26	11/02/15 16:45	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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	☼	10/28/15 07:26	11/02/15 16:45	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119	10/28/15 07:26	11/02/15 16:45	1
2-Fluorophenol	157	X	25 - 110	10/28/15 07:26	11/02/15 16:45	1
Nitrobenzene-d5	71		25 - 115	10/28/15 07:26	11/02/15 16:45	1
Phenol-d5	79		31 - 110	10/28/15 07:26	11/02/15 16:45	1
Terphenyl-d14	146	X	36 - 134	10/28/15 07:26	11/02/15 16:45	1
2,4,6-Tribromophenol	96		35 - 137	10/28/15 07:26	11/02/15 16:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J F1	1.2	0.24	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Arsenic	8.8	F1	0.58	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Barium	32		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Beryllium	0.69		0.23	0.050	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Cadmium	0.17		0.12	0.033	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Chromium	15	B	0.58	0.099	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Cobalt	12		0.29	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Copper	26	B F1	0.58	0.13	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Iron	18000		12	4.5	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Lead	16	F1	0.29	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Magnesium	20000	F2	5.8	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Calcium	48000	F2	120	37	mg/Kg	☼	10/28/15 13:00	10/30/15 14:47	10
Manganese	280	F2	0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Nickel	33		0.58	0.16	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Selenium	0.65	F1	0.58	0.29	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Thallium	<0.58	F1	0.58	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Vanadium	17		0.29	0.084	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Zinc	59		1.2	0.37	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Potassium	2200	F1	29	4.7	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1
Sodium	420	B	58	7.6	mg/Kg	☼	10/28/15 13:00	10/29/15 21:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Barium	0.31	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	360		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 04:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Iron	0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:23	1
Magnesium	84		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:23	1
Manganese	1.4		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Nickel	0.012	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Potassium	4.9		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:23	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:23	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:23	1
Zinc	0.082	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Barium	0.42	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 22:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 22:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 22:54	1
Calcium	34	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 22:54	1
Chromium	0.074		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Cobalt	0.030		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Copper	0.11		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Iron	74		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 22:54	1
Lead	0.063		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 22:54	1
Magnesium	20	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:54	1
Manganese	0.76		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Nickel	0.098		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Potassium	16	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 22:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 22:54	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Vanadium	0.099		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 22:54	1
Zinc	0.30	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 22:54	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		10/29/15 10:50	11/04/15 16:17	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:17	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:40	1
Thallium	0.0021		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (5-10)

Lab Sample ID: 500-103025-8

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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		10/29/15 17:00	10/30/15 11:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:02	1
pH	8.06		0.200	0.200	SU			10/30/15 15:20	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Date Collected: 10/23/15 14:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.024		0.020	0.0038	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☆	10/24/15 13:20	10/27/15 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/24/15 13:20	10/27/15 15:03	1
Dibromofluoromethane	99		75 - 120	10/24/15 13:20	10/27/15 15:03	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/24/15 13:20	10/27/15 15:03	1
Toluene-d8 (Surr)	98		75 - 122	10/24/15 13:20	10/27/15 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0076	J	0.036	0.0065	mg/Kg	☆	10/28/15 07:26	11/02/15 17:14	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☆	10/28/15 07:26	11/02/15 17:14	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☆	10/28/15 07:26	11/02/15 17:14	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☆	10/28/15 07:26	11/02/15 17:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Date Collected: 10/23/15 14:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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	☼	10/28/15 07:26	11/02/15 17:14	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Chrysene	0.026	J	0.036	0.0098	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Fluorene	0.0071	J	0.036	0.0051	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Hexachlorobenzene	<0.073		0.073	0.0083	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Methylnaphthalene	0.12		0.036	0.0066	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Date Collected: 10/23/15 14:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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	☼	10/28/15 07:26	11/02/15 17:14	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Phenanthrene	0.097		0.036	0.0050	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
Pyrene	0.035	J	0.036	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/28/15 07:26	11/02/15 17:14	1
2-Fluorophenol	83		25 - 110	10/28/15 07:26	11/02/15 17:14	1
Nitrobenzene-d5	79		25 - 115	10/28/15 07:26	11/02/15 17:14	1
Phenol-d5	81		31 - 110	10/28/15 07:26	11/02/15 17:14	1
Terphenyl-d14	154	X	36 - 134	10/28/15 07:26	11/02/15 17:14	1
2,4,6-Tribromophenol	67		35 - 137	10/28/15 07:26	11/02/15 17:14	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	☼	10/28/15 13:00	10/29/15 22:03	1
Arsenic	7.4		0.54	0.25	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Barium	33		0.54	0.099	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Beryllium	0.58		0.22	0.047	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Cadmium	0.25		0.11	0.031	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Chromium	13	B	0.54	0.093	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Cobalt	12		0.27	0.061	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Copper	23	B	0.54	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Iron	16000		11	4.2	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Lead	14		0.27	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Magnesium	26000		5.4	2.2	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Calcium	6500		11	3.5	mg/Kg	☼	10/28/15 13:00	10/30/15 15:20	1
Manganese	320		0.54	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Nickel	29		0.54	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Selenium	0.56		0.54	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Vanadium	16		0.27	0.079	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Zinc	180		1.1	0.34	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Potassium	2000		27	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1
Sodium	200	B	54	7.2	mg/Kg	☼	10/28/15 13:00	10/29/15 22:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Barium	0.40	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Date Collected: 10/23/15 14:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	520		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 04:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Cobalt	0.036		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Copper	0.018	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:30	1
Magnesium	33		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:30	1
Manganese	1.8		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Nickel	0.082		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Potassium	10		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:30	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:30	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:30	1
Zinc	0.33	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Barium	0.086	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:01	1
Calcium	22	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Copper	0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Iron	0.49		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:01	1
Magnesium	6.3	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:01	1
Manganese	0.048		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Potassium	2.5	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:01	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:01	1
Zinc	1.1	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:01	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		10/29/15 10:50	11/04/15 16:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B03 (10-15)

Lab Sample ID: 500-103025-9

Date Collected: 10/23/15 14:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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		10/29/15 17:00	10/30/15 11:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.017	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 23:03	1
pH	7.93		0.200	0.200	SU			10/30/15 15:23	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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	☼	10/24/15 13:20	10/27/15 15:28	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 15:28	1
Dibromofluoromethane	98		75 - 120	10/24/15 13:20	10/27/15 15:28	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/27/15 15:28	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 15:28	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	☼	10/28/15 07:26	11/02/15 17:43	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Benzo[a]anthracene	0.0081	J	0.039	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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	☼	10/28/15 07:26	11/02/15 17:43	1
Benzo[b]fluoranthene	0.019	J	0.039	0.0084	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Chrysene	0.013	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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	☼	10/28/15 07:26	11/02/15 17:43	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Phenanthrene	0.0067	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Pyrene	0.019	J	0.039	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119				10/28/15 07:26	11/02/15 17:43	1
2-Fluorophenol	79		25 - 110				10/28/15 07:26	11/02/15 17:43	1
Nitrobenzene-d5	71		25 - 115				10/28/15 07:26	11/02/15 17:43	1
Phenol-d5	84		31 - 110				10/28/15 07:26	11/02/15 17:43	1
Terphenyl-d14	155	X	36 - 134				10/28/15 07:26	11/02/15 17:43	1
2,4,6-Tribromophenol	66		35 - 137				10/28/15 07:26	11/02/15 17:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.1	0.23	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Arsenic	8.9		0.56	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Barium	50		0.56	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Beryllium	0.75		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Cadmium	0.13		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Chromium	16	B	0.56	0.096	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Cobalt	12		0.28	0.063	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Copper	24	B	0.56	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Iron	19000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Lead	18		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Magnesium	20000		5.6	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Calcium	32000		11	3.6	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Manganese	520		0.56	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Nickel	32		0.56	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Vanadium	21		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Zinc	54		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Potassium	2000		28	4.5	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	1
Sodium	1200	B	56	7.4	mg/Kg	☼	10/28/15 13:00	10/29/15 22:08	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		10/29/15 10:50	10/30/15 04:37	1
Barium	0.53		0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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		10/29/15 10:50	10/30/15 04:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Iron	0.41		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:37	1
Magnesium	59		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:37	1
Manganese	4.2		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Nickel	0.014	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Potassium	4.5		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:37	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:37	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:37	1
Zinc	0.085	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.074		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Barium	0.64		0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:07	1
Beryllium	0.0059		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:07	1
Calcium	37	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:07	1
Chromium	0.13		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Cobalt	0.057		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Copper	0.20		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Iron	150		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:07	1
Lead	0.12		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:07	1
Magnesium	30	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:07	1
Manganese	1.3		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Nickel	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Potassium	26	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:07	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Vanadium	0.18		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:07	1
Zinc	0.41	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:07	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		10/29/15 10:50	11/04/15 16:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:19	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:42	1
Thallium	0.0041		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (0-5)

Lab Sample ID: 500-103025-10

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.8

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		10/29/15 17:00	10/30/15 11:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 23:03	1
pH	8.19		0.200	0.200	SU			10/30/15 15:27	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.038		0.028	0.0054	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Benzene	<0.0070		0.0070	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Bromodichloromethane	<0.0070		0.0070	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Bromoform	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Bromomethane	<0.0070		0.0070	0.0026	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
2-Butanone (MEK)	<0.0070		0.0070	0.0025	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Carbon disulfide	<0.0070		0.0070	0.0026	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Carbon tetrachloride	<0.0070		0.0070	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Chlorobenzene	<0.0070		0.0070	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Chloroethane	<0.0070	*	0.0070	0.0029	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Chloroform	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Chloromethane	<0.0070		0.0070	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
cis-1,2-Dichloroethene	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
cis-1,3-Dichloropropene	<0.0070		0.0070	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Dibromochloromethane	<0.0070		0.0070	0.00080	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,1-Dichloroethane	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,2-Dichloroethane	<0.0070		0.0070	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,1-Dichloroethene	<0.0070		0.0070	0.0025	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,2-Dichloropropane	<0.0070		0.0070	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,3-Dichloropropane, Total	<0.0070		0.0070	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Ethylbenzene	<0.0070		0.0070	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
2-Hexanone	<0.0070		0.0070	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Methylene Chloride	<0.0070		0.0070	0.0053	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
4-Methyl-2-pentanone (MIBK)	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Methyl tert-butyl ether	<0.0070		0.0070	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Styrene	<0.0070		0.0070	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,1,2,2-Tetrachloroethane	<0.0070		0.0070	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Tetrachloroethene	<0.0070		0.0070	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Toluene	<0.0070		0.0070	0.0024	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
trans-1,2-Dichloroethene	<0.0070		0.0070	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
trans-1,3-Dichloropropene	<0.0070		0.0070	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,1,1-Trichloroethane	<0.0070		0.0070	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
1,1,2-Trichloroethane	<0.0070		0.0070	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Trichloroethene	<0.0070		0.0070	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Vinyl acetate	<0.0070		0.0070	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Vinyl chloride	<0.0070		0.0070	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1
Xylenes, Total	<0.014		0.014	0.0026	mg/Kg	☼	10/24/15 13:20	10/27/15 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/24/15 13:20	10/27/15 15:52	1
Dibromofluoromethane	100		75 - 120	10/24/15 13:20	10/27/15 15:52	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/24/15 13:20	10/27/15 15:52	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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	0.0073	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Carbazole	<0.19		0.19	0.094	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Chrysene	<0.037		0.037	0.010	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Isophorone	<0.19		0.19	0.042	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	*	10/28/15 07:26	11/02/15 18:12	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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	☼	10/28/15 07:26	11/02/15 18:12	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	10/28/15 07:26	11/02/15 18:12	1
2-Fluorophenol	85		25 - 110	10/28/15 07:26	11/02/15 18:12	1
Nitrobenzene-d5	79		25 - 115	10/28/15 07:26	11/02/15 18:12	1
Phenol-d5	87		31 - 110	10/28/15 07:26	11/02/15 18:12	1
Terphenyl-d14	151	X	36 - 134	10/28/15 07:26	11/02/15 18:12	1
2,4,6-Tribromophenol	77		35 - 137	10/28/15 07:26	11/02/15 18:12	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	☼	10/28/15 13:00	10/29/15 22:25	1
Arsenic	5.0		0.54	0.25	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Barium	25		0.54	0.099	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Beryllium	0.47		0.22	0.047	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Cadmium	0.14		0.11	0.031	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Chromium	12	B	0.54	0.093	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Cobalt	7.6		0.27	0.061	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Copper	16	B	0.54	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Iron	13000		11	4.2	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Lead	9.1		0.27	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Magnesium	21000		5.4	2.2	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Calcium	30000		11	3.5	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Manganese	250		0.54	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Nickel	22		0.54	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Selenium	0.59		0.54	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Vanadium	13		0.27	0.079	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Zinc	38		1.1	0.34	mg/Kg	☼	10/28/15 13:00	10/30/15 15:27	1
Potassium	1700		27	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 22:25	1
Sodium	160	B	54	7.2	mg/Kg	☼	10/28/15 13:00	10/29/15 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		10/29/15 10:50	10/30/15 04:44	1
Barium	0.26	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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		10/29/15 10:50	10/30/15 04:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Copper	0.010	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:44	1
Magnesium	150		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:44	1
Manganese	0.94		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Potassium	4.0		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:44	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:44	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:44	1
Zinc	0.23	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Barium	0.11	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:14	1
Calcium	19	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Copper	0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Iron	0.31		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:14	1
Lead	0.0078		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:14	1
Magnesium	6.2	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:14	1
Manganese	0.022	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Potassium	1.9	J B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:14	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:14	1
Zinc	0.57	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:14	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		10/29/15 10:50	11/04/15 16:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:20	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (5-10)

Lab Sample ID: 500-103025-11

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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		10/29/15 17:00	10/30/15 11:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 23:03	1
pH	7.67		0.200	0.200	SU			10/30/15 15:31	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Date Collected: 10/23/15 13:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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	☼	10/24/15 13:20	10/27/15 16:16	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/27/15 16:16	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/27/15 16:16	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/27/15 16:16	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 16:16	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	☼	10/28/15 07:26	11/02/15 18:40	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Date Collected: 10/23/15 13:45

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.0095	J	0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Benzo[b]fluoranthene	0.019	J	0.039	0.0084	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Chrysene	0.022	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Fluoranthene	0.013	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Date Collected: 10/23/15 13:45

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/28/15 07:26	11/02/15 18:40	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Phenanthrene	0.0090	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
Pyrene	0.027	J	0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/28/15 07:26	11/02/15 18:40	1
2-Fluorophenol	83		25 - 110	10/28/15 07:26	11/02/15 18:40	1
Nitrobenzene-d5	78		25 - 115	10/28/15 07:26	11/02/15 18:40	1
Phenol-d5	87		31 - 110	10/28/15 07:26	11/02/15 18:40	1
Terphenyl-d14	155	X	36 - 134	10/28/15 07:26	11/02/15 18:40	1
2,4,6-Tribromophenol	74		35 - 137	10/28/15 07:26	11/02/15 18:40	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	☼	10/28/15 13:00	10/29/15 22:30	1
Arsenic	11		0.56	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Barium	29		0.56	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Beryllium	0.58		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Cadmium	0.19		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Chromium	12	B	0.56	0.096	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Cobalt	17		0.28	0.063	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Copper	26	B	0.56	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Iron	19000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Lead	18		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Magnesium	20000		5.6	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Calcium	29000		11	3.6	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Manganese	400		0.56	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Nickel	33		0.56	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Selenium	0.28	J	0.56	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Vanadium	16		0.28	0.082	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Zinc	47		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 15:34	1
Potassium	1700		28	4.6	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	1
Sodium	160	B	56	7.4	mg/Kg	☼	10/28/15 13:00	10/29/15 22:30	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		10/29/15 10:50	10/30/15 04:50	1
Barium	0.31	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Date Collected: 10/23/15 13:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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		10/29/15 10:50	10/30/15 04:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:50	1
Magnesium	70		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:50	1
Manganese	1.8		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Nickel	0.010	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Potassium	6.0		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:50	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:50	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:50	1
Zinc	0.050	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Barium	0.14	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:21	1
Calcium	23	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:21	1
Chromium	0.019	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Copper	0.033		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Iron	12		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:21	1
Lead	0.011		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:21	1
Magnesium	9.3	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:21	1
Manganese	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Nickel	0.022	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Potassium	6.1	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:21	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Vanadium	0.020	J	0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:21	1
Zinc	0.23	J B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:21	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		10/29/15 10:50	11/04/15 16:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:21	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 10:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Client Sample ID: 2678-8-B04 (10-15)

Lab Sample ID: 500-103025-12

Date Collected: 10/23/15 13:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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		10/29/15 17:00	10/30/15 11:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 23:04	1
pH	7.75		0.200	0.200	SU			10/30/15 15:35	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.

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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-1

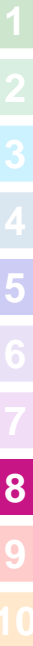
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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 1
Phone: 708.534.5200 Fax: 708.5



500-103025 COC

Report To: Matt Weiss (optional)
Contact: Terracon
Company: Terracon
Address: _____
Address: _____
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: 32, 27, 24, 31, 29

Client		Client Project #		Preservative																	
Project Name				Parameter																Preservative Key	
Project Location/State				Lab Project #																1. HCL, Cool to 4°	
Sampler				Lab PM																2. H2SO4, Cool to 4°	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	24 Total	Inorganics	TCLP 24	Inorganics	SPLP 24	Inorganics	PH					Comments	
			Date	Time																	
1		2678-8B01(10-5)	10/23/15	1525	5	S	X	X	X	X	X	X	X	X	X						
2		2678-8B01(5-11)		1535	5	S	X	X	X	X	X	X	X	X	X						
3		2678-8B02(10-5)		1440	5	S	X	X	X	X	X	X	X	X	X						
4		2678-8B02(5-10)		1450	5	S	X	X	X	X	X	X	X	X	X						
5		2678-8B02(10-15)		1500	5	S	X	X	X	X	X	X	X	X	X						
6		2678-8B03(10-5)		1405	5	S	X	X	X	X	X	X	X	X	X						
7		2678-8B03(05)DW		1405	5	S	X	X	X	X	X	X	X	X	X						
8		2678-8B03(5-10)		1415	5	S	X	X	X	X	X	X	X	X	X						
9		2678-8B03(10-15)		1425	5	S	X	X	X	X	X	X	X	X	X						

Turnaround Time Required (Business Days)

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

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: <u>David Weiss</u> Company: <u>Terracon</u> Date: <u>10/23/15</u> Time: <u>1700</u>	Received By: <u>David Weiss</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>
Relinquished By: <u>David Weiss</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By: <u>Shirley</u> Company: <u>TA-ART</u> Date: <u>10/24/15</u> Time: <u>0850</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

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

Client Comments

Meet IL TACO requirements
No Aluminum

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Mat Weiss (optional)
 Contact: Terracon
 Company: _____
 Address: _____
 Address: _____
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-103025
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments				
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM		Preservative Key				
Schauamburg, IL		Jana Wills		8B04		VOCs		SNOCS		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	Date	Time	# of Containers	Matrix	VOCs	SNOCS	Total of Organics	TGAP	24 Mercurials	SPD	24 Mercurials	PH
10		2678-8B04(0-5)	10/23/15	1325	5	S	X	X	X	X	X	X	X	
11		2678-8B04(5-10)	↓	1330	5	S	X	X	X	X	X	X	X	
12		2678-8B04(10-15) 8B04	↓	1345	5	S	X	X	X	X	X	X	X	1st corrected per Mat Weiss 10/24/15 g

Turnaround Time Required (Business Days)

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

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: <u>John Weiss</u> Company: <u>Terracon</u> Date: <u>10/23/15</u> Time: <u>1700</u>	Received By: <u>David Phillips</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>
Relinquished By: <u>David Phillips</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By: <u>Shirley Smith</u> Company: <u>TA-CAT</u> Date: <u>10/24/15</u> Time: <u>0850</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Matrix Key

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

Client Comments

Meet IL TACO requirements
 No Aluminum

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-1

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-West of N. Martingale Rd and Higgins Rd IDOT STA 129+80 to 131+50 (ISGS Site 2678-12)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03799 Longitude: -88.03895

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 B02 were sampled adjacent to ISGS Site No 2678-12. See Exhibits 2, 2E and Table 10 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-2. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

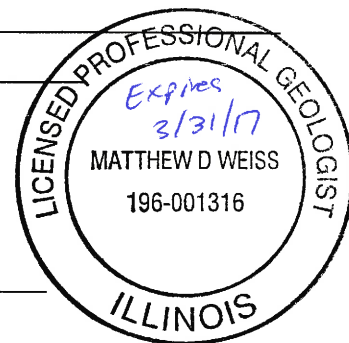
Printed Name:

[Signature]

12/11/15

Date:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-12)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 6

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B01 (0-5)	2678-12-B01 (0-5) DUP
				CCDD	Sample Depth (feet)	(0-5)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Benzene	mg/kg	---	---	0.03		<0.0047	<0.0047
Acetone	mg/kg	---	---	25		0.0088	0.024
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.040	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.022	0.018
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.024	0.027
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.045	0.059
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.016	0.035
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.017	0.02
Chrysene	mg/kg	1.2	2.7	88		0.028	0.032
Fluoranthene	mg/kg	2.7	4.1	3100		0.049	0.036
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.017	0.054
Phenanthrene	mg/kg	1.3	2.5	210		0.018	0.021
Pyrene	mg/kg	1.9	3.0	2300		0.043	0.068
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.0	8.2
Barium	mg/kg	---	110	1500		68	80
Cadmium	mg/kg	---	0.6	5.2		0.19	0.15
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		26	19
Mercury	mg/kg	---	0.06	0.1		0.048	0.048
Selenium	mg/kg	---	0.48	1.3		<0.57	<0.58
Silver	mg/kg	---	0.55	4.4		<0.29	<0.27
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.75	0.75
Calcium	mg/kg	---	9,300	---		26000	21000
Cobalt	mg/kg	---	8.9	20		15	14
Copper	mg/kg	---	19.6	2900		26	25
Cyanide	mg/kg	---	0.51	---		<0.59	<0.59
Iron	mg/kg	---	15,900	15000		20000	20000
Magnesium	mg/kg	---	4,820	325000		16000	12000
Manganese	mg/kg	---	636	630		370	350
Nickel	mg/kg	---	18	100		36	36
Potassium	mg/kg	---	1,268	---		1400	1600
Sodium	mg/kg	---	130	---		2100	1400
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.55
Vanadium	mg/kg	---	25.2	550		20	19
Zinc	mg/kg	---	95	5100		65	60
pH			6.25	9		8.28	8.5
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.12	0.099
Barium,SPLP	mg/L	---	---	---		0.82	0.82
Beryllium,SPLP	mg/L	---	---	---		0.0081	0.0078
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		45	47
Chromium,SPLP	mg/L	---	---	---		0.19	0.19
Cobalt,SPLP	mg/L	---	---	---		0.074	0.075
Copper,SPLP	mg/L	---	---	---		0.31	0.3
Iron,SPLP	mg/L	---	---	---		230	220

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-12)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B01 (0-5)	2678-12-B01 (0-5) DUP
				CCDD	Sample Depth (feet)	(0-5)	(0-5)
				mg/kg	Date Collected	10/23/2015	10/23/2015
				pH 6.25-9.0			
Lead,SPLP	mg/L	---	---	---		0.14	0.16
Magnesium,SPLP	mg/L	---	---	---		42	41
Manganese,SPLP	mg/L	---	---	---		2	1.8
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.27	0.25
Potassium,SPLP	mg/L	---	---	---		31	29
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0057	0.005
Vanadium,SPLP	mg/L	---	---	---		0.25	0.24
Zinc,SPLP	mg/L	---	---	---		0.91	0.62
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.49	0.56
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	---	---	---		370	360
Cobalt,TCLP	mg/L	---	---	---		0.011	0.017
Copper,TCLP	mg/L	---	---	---		0.014	0.014
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	0.28
Magnesium,TCLP	mg/L	---	---	---		55	54
Manganese,TCLP	mg/L	---	---	---		3.8	4.6
Nickel,TCLP	mg/L	---	---	---		0.017	0.019
Potassium,TCLP	mg/L	---	---	---		4.7	6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.42	0.13

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-12)

Schaumburg, IL

Terracon Project No. 11157103

Page 3 of 6

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B01 (5-10)	2678-12-B01 (10-15)	
				CCDD	Sample Depth (feet)	(5-10)	(10-15)	
		mg/kg	Chicago	MSAs	pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
		pH 6.25-9.0						
Volatile Organic Analytical Parameters								
Benzene	mg/kg	---	---	0.03		0.0034	<0.0060	
Acetone	mg/kg	---	---	25		<0.018	<0.024	
Semivolatile Organic Analytical Parameters								
Anthracene	mg/kg	0.25	0.4	12000		<0.042	<0.044	
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0071	<0.044	
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.042	<0.044	
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.014	<0.044	
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.042	<0.044	
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.042	<0.044	
Chrysene	mg/kg	1.2	2.7	88		<0.042	<0.044	
Fluoranthene	mg/kg	2.7	4.1	3100		0.0085	<0.044	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.042	<0.044	
Phenanthrene	mg/kg	1.3	2.5	210		0.0059	<0.044	
Pyrene	mg/kg	1.9	3.0	2300		0.013	0.029	
Inorganic Analytical Parameters								
Arsenic	mg/kg	---	13	11.3		3.5	6.2	
Barium	mg/kg	---	110	1500		98	60	
Cadmium	mg/kg	---	0.6	5.2		0.23	0.24	
Chromium, total	mg/kg	---	16.2	21		15	18	
Lead	mg/kg	---	36	107		17	19	
Mercury	mg/kg	---	0.06	0.1		0.036	0.03	
Selenium	mg/kg	---	0.48	1.3		<0.61	0.69	
Silver	mg/kg	---	0.55	4.4		<0.31	<0.34	
Antimony	mg/kg	---	4.0	5		<1.3	<1.3	
Beryllium	mg/kg	---	0.59	22		0.78	0.84	
Calcium	mg/kg	---	9,300	---		21000	14000	
Cobalt	mg/kg	---	8.9	20		7.7	11	
Copper	mg/kg	---	19.6	2900		23	27	
Cyanide	mg/kg	---	0.51	---		<0.64	<0.64	
Iron	mg/kg	---	15,900	15000		14000	20000	
Magnesium	mg/kg	---	4,820	325000		9500	11000	
Manganese	mg/kg	---	636	630		220	160	
Nickel	mg/kg	---	18	100		25	33	
Potassium	mg/kg	---	1,268	---		880	1800	
Sodium	mg/kg	---	130	---		790	190	
Thallium	mg/kg	---	0.32	2.6		<0.63	<0.67	
Vanadium	mg/kg	---	25.2	550		21	21	
Zinc	mg/kg	---	95	5100		58	70	
pH			6.25	9		8.63	8.37	
Inorganic Analytical Parameters (SPLP)								
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060	
Arsenic,SPLP	mg/L	---	---	---		<0.050	<0.050	
Barium,SPLP	mg/L	---	---	---		0.15	0.1	
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040	
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050	
Calcium,SPLP	mg/L	---	---	---		22	16	
Chromium,SPLP	mg/L	---	---	---		<0.025	<0.025	
Cobalt,SPLP	mg/L	---	---	---		<0.025	<0.025	
Copper,SPLP	mg/L	---	---	---		0.027	0.017	
Iron,SPLP	mg/L	---	---	---		2.6	1.3	

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-12)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B01 (5-10)	2678-12-B01 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
				mg/kg	Date Collected	10/23/2015	10/23/2015
				pH 6.25-9.0			
Lead,SPLP	mg/L	---	---	---		0.0082	<0.0075
Magnesium,SPLP	mg/L	---	---	---		3.7	5.6
Manganese,SPLP	mg/L	---	---	---		0.086	0.032
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	<0.025
Potassium,SPLP	mg/L	---	---	---		3.3	2.3
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.03	<0.025
Zinc,SPLP	mg/L	---	---	---		0.66	0.11
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.41	0.37
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	---	---	---		280	250
Cobalt,TCLP	mg/L	---	---	---		0.011	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.016
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		49	110
Manganese,TCLP	mg/L	---	---	---		2.9	1.3
Nickel,TCLP	mg/L	---	---	---		0.011	<0.025
Potassium,TCLP	mg/L	---	---	---		6.7	4.6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.31	0.23

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B02 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Volatile Organic Analytical Parameters						
Benzene	mg/kg	---	---	0.03		<0.0052
Acetone	mg/kg	---	---	25		<0.021
Semivolatile Organic Analytical Parameters						
Anthracene	mg/kg	0.25	0.4	12000		0.02
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.095
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.1
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.15
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.051
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.057
Chrysene	mg/kg	1.2	2.7	88		0.11
Fluoranthene	mg/kg	2.7	4.1	3100		0.24
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.058
Phenanthrene	mg/kg	1.3	2.5	210		0.1
Pyrene	mg/kg	1.9	3.0	2300		0.24
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		7.5
Barium	mg/kg	---	110	1500		71
Cadmium	mg/kg	---	0.6	5.2		0.18
Chromium, total	mg/kg	---	16.2	21		16
Lead	mg/kg	---	36	107		28
Mercury	mg/kg	---	0.06	0.1		0.027
Selenium	mg/kg	---	0.48	1.3		<0.57
Silver	mg/kg	---	0.55	4.4		<0.29
Antimony	mg/kg	---	4.0	5		<1.2
Beryllium	mg/kg	---	0.59	22		0.7
Calcium	mg/kg	---	9,300	---		33000
Cobalt	mg/kg	---	8.9	20		14
Copper	mg/kg	---	19.6	2900		26
Cyanide	mg/kg	---	0.51	---		<0.60
Iron	mg/kg	---	15,900	15000		19000
Magnesium	mg/kg	---	4,820	325000		18000
Manganese	mg/kg	---	636	630		380
Nickel	mg/kg	---	18	100		34
Potassium	mg/kg	---	1,268	---		1500
Sodium	mg/kg	---	130	---		1600
Thallium	mg/kg	---	0.32	2.6		<0.58
Vanadium	mg/kg	---	25.2	550		18
Zinc	mg/kg	---	95	5100		63
pH			6.25	9		8.9
Inorganic Analytical Parameters (SPLP)						
Antimony,SPLP	mg/L	---	---	---		<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.077
Barium,SPLP	mg/L	---	---	---		0.75
Beryllium,SPLP	mg/L	---	---	---		0.0066
Cadmium,SPLP	mg/L	---	---	---		<0.0050
Calcium,SPLP	mg/L	---	---	---		44
Chromium,SPLP	mg/L	---	---	---		0.17
Cobalt,SPLP	mg/L	---	---	---		0.066
Copper,SPLP	mg/L	---	---	---		0.24
Iron,SPLP	mg/L	---	---	---		180

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-12)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-12-B02 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
				mg/kg	Date Collected	10/23/2015
				pH 6.25-9.0		
Lead,SPLP	mg/L	---	---	---		0.17
Magnesium,SPLP	mg/L	---	---	---		37
Manganese,SPLP	mg/L	---	---	---		1.7
Mercury,SPLP	mg/L	---	---	---		0.00026
Nickel,SPLP	mg/L	---	---	---		0.21
Potassium,SPLP	mg/L	---	---	---		29
Selenium,SPLP	mg/L	---	---	---		<0.050
Silver,SPLP	mg/L	---	---	---		<0.025
Sodium,SPLP	mg/L	---	---	---		----
Thallium,SPLP	mg/L	---	---	---		0.0046
Vanadium,SPLP	mg/L	---	---	---		0.21
Zinc,SPLP	mg/L	---	---	---		1.4
Cyanide,SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.58
Cadmium,TCLP	mg/L	---	---	---		<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		390
Cobalt,TCLP	mg/L	---	---	---		0.014
Copper,TCLP	mg/L	---	---	---		0.012
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		<0.20
Magnesium,TCLP	mg/L	---	---	---		54
Manganese,TCLP	mg/L	---	---	---		4.8
Nickel,TCLP	mg/L	---	---	---		0.017
Potassium,TCLP	mg/L	---	---	---		5
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.35

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 500-103025-2
Client Project/Site: IDOT - Schaumburg - WO 03

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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Job ID: 500-103025-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-2

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for 310806 recovered outside control limits for the following analyte: Vinyl Acetate. This analyte was biased high in the LCS/LCSD and was 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: Two surrogate recoveries for the following sample were outside of acceptance limits: 2678-12-G01 (500-103025-18). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-12-B01 (0-5) DUP (500-103025-14), 2678-12-B01 (10-15) (500-103025-16), 2678-12-B02 (0-4) (500-103025-17), (500-103025-F-1-A), (500-103025-F-1-B MS) and (500-103025-F-1-C MSD). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 500-310195 and analytical batch 500-310346 contained Calcium and Lead above the reporting limit (RL). Associated samples 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 continuing calibration verification (CCV) associated with batch 500-310405 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: (500-103025-A-1-D).

Method(s) 6010B: The interference check standard B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-12-B01 (0-5) (500-103025-13), 2678-12-B01 (0-5) DUP (500-103025-14), 2678-12-B01 (5-10) (500-103025-15), 2678-12-B01 (10-15) (500-103025-16), 2678-12-B02 (0-4) (500-103025-17) and (500-103025-A-1-D) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

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

General Chemistry

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Job ID: 500-103025-2 (Continued)

Laboratory: TestAmerica Chicago (Continued)

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.

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Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0088	J	0.019	0.0037	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.022	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.024	J	0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.045		0.040	0.0087	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.017	J	0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.028	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.049		0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.017	J	0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.018	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.043		0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Arsenic	9.0		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	68		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	15		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	26	B	0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	16000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	26000	B	11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	370	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	36		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	65	B	1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1400		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	2100		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.49	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	55		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	3.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.42	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.12		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.82		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0081		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	45	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.074		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.31		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	230		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.14		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	42	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.0		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	31	B	2.5	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) (Continued)

Lab Sample ID: 500-103025-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.91	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0057		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.048		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.28		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.024		0.019	0.0036	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.018	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.027	J	0.039	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.059		0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.035	J	0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.020	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.032	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.036	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.054		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.021	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.068		0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.2		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	80		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	19	B	0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	21000	B	11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	350	B	0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	36		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	60	B	1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		55	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.56		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	360		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.28		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	54		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.099		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.82		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0078		0.0040	0.0040	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP (Continued)

Lab Sample ID: 500-103025-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	47	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.075		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.30		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	220		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.16		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	41	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.8		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.24		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.62	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0050		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.048		0.019	0.0065	mg/Kg	1	✱	7471B	Total/NA
pH	8.50		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-12-B01 (5-10)

Lab Sample ID: 500-103025-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0034	J	0.0045	0.00099	mg/Kg	1	✱	8260B	Total/NA
Benzo[a]anthracene	0.0071	J	0.042	0.0057	mg/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	0.014	J	0.042	0.0091	mg/Kg	1	✱	8270D	Total/NA
Fluoranthene	0.0085	J	0.042	0.0078	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.0059	J	0.042	0.0059	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.013	J	0.042	0.0084	mg/Kg	1	✱	8270D	Total/NA
Arsenic	3.5		0.63	0.29	mg/Kg	1	✱	6010B	Total/NA
Barium	98		0.61	0.11	mg/Kg	1	✱	6010B	Total/NA
Beryllium	0.78		0.25	0.054	mg/Kg	1	✱	6010B	Total/NA
Cadmium	0.23		0.13	0.036	mg/Kg	1	✱	6010B	Total/NA
Chromium	15	B	0.63	0.11	mg/Kg	1	✱	6010B	Total/NA
Cobalt	7.7		0.31	0.071	mg/Kg	1	✱	6010B	Total/NA
Copper	23	B	0.63	0.14	mg/Kg	1	✱	6010B	Total/NA
Iron	14000	B	13	4.8	mg/Kg	1	✱	6010B	Total/NA
Lead	17	B	0.31	0.16	mg/Kg	1	✱	6010B	Total/NA
Magnesium	9500		6.3	2.5	mg/Kg	1	✱	6010B	Total/NA
Calcium	21000	B	13	4.0	mg/Kg	1	✱	6010B	Total/NA
Manganese	220	B	0.63	0.12	mg/Kg	1	✱	6010B	Total/NA
Nickel	25		0.63	0.17	mg/Kg	1	✱	6010B	Total/NA
Vanadium	21		0.31	0.092	mg/Kg	1	✱	6010B	Total/NA
Zinc	58	B	1.3	0.40	mg/Kg	1	✱	6010B	Total/NA
Potassium	880		31	5.1	mg/Kg	1	✱	6010B	Total/NA
Sodium	790		63	8.3	mg/Kg	1	✱	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	280		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	49		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.31	J	0.50	0.020	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10) (Continued)

Lab Sample ID: 500-103025-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.15	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	22	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	2.6		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0082		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	3.7	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.086		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.3	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.030		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.66	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.036		0.020	0.0070	mg/Kg	1	*	7471B	Total/NA
pH	8.63		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.029	J	0.044	0.0088	mg/Kg	1	*	8270D	Total/NA
Arsenic	6.2		0.67	0.31	mg/Kg	1	*	6010B	Total/NA
Barium	60		0.66	0.12	mg/Kg	1	*	6010B	Total/NA
Beryllium	0.84		0.27	0.058	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.24		0.13	0.039	mg/Kg	1	*	6010B	Total/NA
Chromium	18	B	0.67	0.12	mg/Kg	1	*	6010B	Total/NA
Cobalt	11		0.34	0.076	mg/Kg	1	*	6010B	Total/NA
Copper	27	B	0.67	0.15	mg/Kg	1	*	6010B	Total/NA
Iron	20000	B	13	5.2	mg/Kg	1	*	6010B	Total/NA
Lead	19	B	0.34	0.17	mg/Kg	1	*	6010B	Total/NA
Magnesium	11000		6.7	2.7	mg/Kg	1	*	6010B	Total/NA
Calcium	14000	B	13	4.3	mg/Kg	1	*	6010B	Total/NA
Manganese	160	B	0.67	0.13	mg/Kg	1	*	6010B	Total/NA
Nickel	33		0.67	0.18	mg/Kg	1	*	6010B	Total/NA
Selenium	0.69		0.66	0.33	mg/Kg	1	*	6010B	Total/NA
Vanadium	21		0.34	0.098	mg/Kg	1	*	6010B	Total/NA
Zinc	70	B	1.3	0.43	mg/Kg	1	*	6010B	Total/NA
Potassium	1800		34	5.5	mg/Kg	1	*	6010B	Total/NA
Sodium	190		67	8.9	mg/Kg	1	*	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.016	J	0.025	0.010	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	4.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.23	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.10	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	16	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	1.3		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	5.6	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.3	J B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.11	J B	0.50	0.020	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15) (Continued)

Lab Sample ID: 500-103025-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.030		0.022	0.0075	mg/Kg	1	☼	7471B	Total/NA
pH	8.37		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-12-B02 (0-4)

Lab Sample ID: 500-103025-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.020	J	0.039	0.0066	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.095		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.10		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.15		0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.051		0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.057		0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.11		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.24		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.058		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.10		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.24		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.5		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	71		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	28	B	0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	18000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	33000	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	380	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	63	B	1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1600		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.58		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	390		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	54		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	5.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.35	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.077		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.75		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0066		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	44	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.17		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.066		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.24		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4) (Continued)

Lab Sample ID: 500-103025-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	180		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.17		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	37	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.7		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	1.4	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0046		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.00026		0.00020	0.00020	mg/L	1		7470A	SPLP East
Mercury	0.027		0.020	0.0071	mg/Kg	1	*	7471B	Total/NA
pH	8.90		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-12-G01

Lab Sample ID: 500-103025-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0021		0.00050	0.00015	mg/L	1		8260B	Total/NA
Anthracene	0.00029	J	0.00075	0.00025	mg/L	1		8270D	Total/NA
Benzo[a]anthracene	0.0017		0.00012	0.000042	mg/L	1		8270D	Total/NA
Benzo[a]pyrene	0.0026		0.00015	0.000074	mg/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.0053		0.00015	0.000060	mg/L	1		8270D	Total/NA
Benzo[g,h,i]perylene	0.0017		0.00075	0.00028	mg/L	1		8270D	Total/NA
Benzo[k]fluoranthene	0.0013		0.00015	0.000048	mg/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.0041	J	0.0075	0.0013	mg/L	1		8270D	Total/NA
Carbazole	0.00053	J	0.0037	0.00026	mg/L	1		8270D	Total/NA
Chrysene	0.0025		0.00037	0.000051	mg/L	1		8270D	Total/NA
Dibenz(a,h)anthracene	0.00060		0.00022	0.000038	mg/L	1		8270D	Total/NA
Fluoranthene	0.0041		0.00075	0.00034	mg/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.0015		0.00015	0.000056	mg/L	1		8270D	Total/NA
2-Methylnaphthalene	0.00055		0.00037	0.000049	mg/L	1		8270D	Total/NA
Naphthalene	0.00073	J	0.00075	0.00023	mg/L	1		8270D	Total/NA
Phenanthrene	0.0017		0.00075	0.00022	mg/L	1		8270D	Total/NA
Pyrene	0.0047		0.00075	0.00032	mg/L	1		8270D	Total/NA
Arsenic	0.064		0.0010	0.00044	mg/L	1		6020A	Total Recoverable
Barium	1.4		0.013	0.0042	mg/L	5		6020A	Total Recoverable
Beryllium	0.0061		0.0050	0.0012	mg/L	5		6020A	Total Recoverable
Cadmium	0.0022	J	0.0025	0.00095	mg/L	5		6020A	Total Recoverable
Calcium	1200		1.0	0.53	mg/L	5		6020A	Total Recoverable
Chromium	0.21		0.025	0.0030	mg/L	5		6020A	Total Recoverable
Cobalt	0.077		0.0050	0.00095	mg/L	5		6020A	Total Recoverable
Copper	0.30		0.0020	0.00096	mg/L	1		6020A	Total Recoverable
Iron	170		0.50	0.13	mg/L	5		6020A	Total Recoverable
Lead	0.32		0.0025	0.00071	mg/L	5		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-G01 (Continued)

Lab Sample ID: 500-103025-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	110		1.0	0.42	mg/L	5		6020A	Total Recoverable
Manganese	3.5		0.013	0.0050	mg/L	5		6020A	Total Recoverable
Nickel	0.22		0.010	0.0026	mg/L	5		6020A	Total Recoverable
Potassium	25		2.5	0.95	mg/L	5		6020A	Total Recoverable
Selenium	0.0069	J	0.013	0.0042	mg/L	5		6020A	Total Recoverable
Silver	0.00053	J	0.0025	0.00040	mg/L	5		6020A	Total Recoverable
Sodium	3600		10	4.4	mg/L	50		6020A	Total Recoverable
Thallium	0.0038	J	0.010	0.0030	mg/L	5		6020A	Total Recoverable
Vanadium	0.22		0.025	0.011	mg/L	5		6020A	Total Recoverable
Zinc	0.63		0.10	0.023	mg/L	5		6020A	Total Recoverable
Cyanide, Total	0.0086	J	0.010	0.0021	mg/L	1		9014	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-13	2678-12-B01 (0-5)	Solid	10/23/15 12:40	10/24/15 08:50
500-103025-14	2678-12-B01 (0-5) DUP	Solid	10/23/15 12:40	10/24/15 08:50
500-103025-15	2678-12-B01 (5-10)	Solid	10/23/15 12:50	10/24/15 08:50
500-103025-16	2678-12-B01 (10-15)	Solid	10/23/15 13:00	10/24/15 08:50
500-103025-17	2678-12-B02 (0-4)	Solid	10/23/15 12:05	10/24/15 08:50
500-103025-18	2678-12-G01	Water	10/23/15 16:10	10/24/15 08:50



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0088	J	0.019	0.0037	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/27/15 16:40	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/27/15 16:40	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/24/15 13:20	10/27/15 16:40	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/27/15 16:40	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	☼	10/28/15 07:26	11/04/15 21:11	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Benzo[a]anthracene	0.022	J	0.040	0.0054	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.024	J	0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Benzo[b]fluoranthene	0.045		0.040	0.0087	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Benzo[g,h,i]perylene	0.016	J	0.040	0.013	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Benzo[k]fluoranthene	0.017	J	0.040	0.012	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Chrysene	0.028	J	0.040	0.011	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Fluoranthene	0.049		0.040	0.0075	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Indeno[1,2,3-cd]pyrene	0.017	J	0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.5

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	☼	10/28/15 07:26	11/04/15 21:11	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Phenanthrene	0.018	J	0.040	0.0056	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
Pyrene	0.043		0.040	0.0080	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:26	11/04/15 21:11	1
2-Fluorophenol	84		25 - 110	10/28/15 07:26	11/04/15 21:11	1
Nitrobenzene-d5	77		25 - 115	10/28/15 07:26	11/04/15 21:11	1
Phenol-d5	89		31 - 110	10/28/15 07:26	11/04/15 21:11	1
Terphenyl-d14	110		36 - 134	10/28/15 07:26	11/04/15 21:11	1
2,4,6-Tribromophenol	85		35 - 137	10/28/15 07:26	11/04/15 21:11	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	☼	10/29/15 09:29	10/29/15 19:30	1
Arsenic	9.0		0.57	0.26	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Barium	68		0.57	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 01:02	1
Beryllium	0.75		0.23	0.049	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Chromium	16	B	0.57	0.098	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Cobalt	15		0.29	0.065	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Copper	26	B	0.57	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Iron	20000	B	11	4.4	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Lead	26	B	0.29	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Magnesium	16000		5.7	2.3	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Calcium	26000	B	11	3.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Manganese	370	B	0.57	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Nickel	36		0.57	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 01:02	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Vanadium	20		0.29	0.083	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Zinc	65	B	1.1	0.36	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Potassium	1400		29	4.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	1
Sodium	2100		57	7.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:30	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		10/29/15 10:50	10/30/15 04:57	1
Barium	0.49	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 04:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 04:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 04:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 04:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Copper	0.014	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 04:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 04:57	1
Magnesium	55		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:57	1
Manganese	3.8		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Nickel	0.017	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Potassium	4.7		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 04:57	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 04:57	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 04:57	1
Zinc	0.42	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Barium	0.82		0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:28	1
Beryllium	0.0081		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:28	1
Calcium	45	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:28	1
Chromium	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Cobalt	0.074		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Copper	0.31		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Iron	230		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:28	1
Lead	0.14		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:28	1
Magnesium	42	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:28	1
Manganese	2.0		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Nickel	0.27		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Potassium	31	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:28	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Vanadium	0.25		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:28	1
Zinc	0.91	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:28	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		10/29/15 10:50	11/04/15 16:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:21	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:44	1
Thallium	0.0057		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5)

Lab Sample ID: 500-103025-13

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.5

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		10/29/15 17:00	10/30/15 11:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:01	1
pH	8.28		0.200	0.200	SU			10/30/15 15:38	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.024		0.019	0.0036	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Vinyl acetate	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/24/15 13:20	10/27/15 17:05	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/27/15 17:05	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/24/15 13:20	10/27/15 17:05	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 17:05	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	☼	10/28/15 07:26	11/05/15 03:56	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Benzo[a]anthracene	0.018	J	0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.027	J	0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Benzo[b]fluoranthene	0.059		0.039	0.0084	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Benzo[g,h,i]perylene	0.035	J	0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Benzo[k]fluoranthene	0.020	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Chrysene	0.032	J	0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Fluoranthene	0.036	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Indeno[1,2,3-cd]pyrene	0.054		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Methylnaphthalene	<0.039		0.039	0.0071	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.0

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	☼	10/28/15 07:26	11/05/15 03:56	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Phenanthrene	0.021	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Pyrene	0.068		0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/05/15 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2-Fluorobiphenyl</i>	83		25 - 119				10/28/15 07:26	11/05/15 03:56	1
<i>2-Fluorophenol</i>	82		25 - 110				10/28/15 07:26	11/05/15 03:56	1
<i>Nitrobenzene-d5</i>	80		25 - 115				10/28/15 07:26	11/05/15 03:56	1
<i>Phenol-d5</i>	86		31 - 110				10/28/15 07:26	11/05/15 03:56	1
<i>Terphenyl-d14</i>	180	X	36 - 134				10/28/15 07:26	11/05/15 03:56	1
<i>2,4,6-Tribromophenol</i>	61		35 - 137				10/28/15 07:26	11/05/15 03:56	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	☼	10/29/15 09:29	10/29/15 19:35	1
Arsenic	8.2		0.55	0.25	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Barium	80		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 01:09	1
Beryllium	0.75		0.22	0.048	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Cadmium	0.15		0.11	0.032	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Chromium	16	B	0.55	0.094	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Cobalt	14		0.27	0.062	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Copper	25	B	0.55	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Iron	20000	B	11	4.2	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Lead	19	B	0.27	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Magnesium	12000		5.5	2.2	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Calcium	21000	B	11	3.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Manganese	350	B	0.55	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Nickel	36		0.55	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 01:09	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Vanadium	19		0.27	0.080	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Zinc	60	B	1.1	0.35	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Potassium	1600		27	4.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	1
Sodium	1400		55	7.2	mg/Kg	☼	10/29/15 09:29	10/29/15 19:35	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		10/29/15 10:50	10/30/15 05:04	1
Barium	0.56		0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	360		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 05:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Copper	0.014	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Iron	0.28		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:04	1
Magnesium	54		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:04	1
Manganese	4.6		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Nickel	0.019	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Potassium	6.0		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:04	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:04	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:04	1
Zinc	0.13	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.099		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Barium	0.82		0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:50	1
Beryllium	0.0078		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:50	1
Calcium	47	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:50	1
Chromium	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Cobalt	0.075		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Copper	0.30		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Iron	220		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:50	1
Lead	0.16		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:50	1
Magnesium	41	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:50	1
Manganese	1.8		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Nickel	0.25		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Potassium	29	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:50	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Vanadium	0.24		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:50	1
Zinc	0.62	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:50	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		10/29/15 10:50	11/04/15 16:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:22	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/29/15 12:00	11/05/15 11:27	1
Thallium	0.0050		0.0020	0.0020	mg/L		10/29/15 12:00	11/05/15 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (0-5) DUP

Lab Sample ID: 500-103025-14

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.0

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		10/29/15 17:00	10/30/15 11:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:02	1
pH	8.50		0.200	0.200	SU			10/30/15 15:42	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10)**Lab Sample ID: 500-103025-15**

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 77.4

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	☼	10/24/15 13:20	10/27/15 17:29	1
Benzene	0.0034	J	0.0045	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Dibromochloromethane	<0.0045		0.0045	0.00051	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,1,1-Dichloroethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1
Xylenes, Total	<0.0089		0.0089	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/27/15 17:29	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/27/15 17:29	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/24/15 13:20	10/27/15 17:29	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Benzo[a]anthracene	0.0071	J	0.042	0.0057	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10)

Lab Sample ID: 500-103025-15

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 77.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Benzo[b]fluoranthene	0.014	J	0.042	0.0091	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Fluoranthene	0.0085	J	0.042	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Methylnaphthalene	<0.042		0.042	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10)

Lab Sample ID: 500-103025-15

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 77.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.052	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Phenanthrene	0.0059	J	0.042	0.0059	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
Pyrene	0.013	J	0.042	0.0084	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4,5-Trichlorophenol	<0.42		0.42	0.096	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	10/28/15 07:26	11/04/15 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/28/15 07:26	11/04/15 21:40	1
2-Fluorophenol	80		25 - 110	10/28/15 07:26	11/04/15 21:40	1
Nitrobenzene-d5	76		25 - 115	10/28/15 07:26	11/04/15 21:40	1
Phenol-d5	80		31 - 110	10/28/15 07:26	11/04/15 21:40	1
Terphenyl-d14	112		36 - 134	10/28/15 07:26	11/04/15 21:40	1
2,4,6-Tribromophenol	62		35 - 137	10/28/15 07:26	11/04/15 21:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.26	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Arsenic	3.5		0.63	0.29	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Barium	98		0.61	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 01:15	1
Beryllium	0.78		0.25	0.054	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Cadmium	0.23		0.13	0.036	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Chromium	15	B	0.63	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Cobalt	7.7		0.31	0.071	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Copper	23	B	0.63	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Iron	14000	B	13	4.8	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Lead	17	B	0.31	0.16	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Magnesium	9500		6.3	2.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Calcium	21000	B	13	4.0	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Manganese	220	B	0.63	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Nickel	25		0.63	0.17	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Selenium	<0.61		0.61	0.30	mg/Kg	☼	10/30/15 13:30	10/31/15 01:15	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Thallium	<0.63		0.63	0.31	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Vanadium	21		0.31	0.092	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Zinc	58	B	1.3	0.40	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Potassium	880		31	5.1	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	1
Sodium	790		63	8.3	mg/Kg	☼	10/29/15 09:29	10/29/15 19:40	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		10/29/15 10:50	10/30/15 05:11	1
Barium	0.41	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10)

Lab Sample ID: 500-103025-15

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 77.4

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		10/29/15 10:50	10/30/15 05:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:11	1
Magnesium	49		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:11	1
Manganese	2.9		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Nickel	0.011	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Potassium	6.7		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:11	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:11	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:11	1
Zinc	0.31	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Barium	0.15	J	0.50	0.050	mg/L		10/29/15 12:00	10/29/15 23:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/29/15 23:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/29/15 23:57	1
Calcium	22	B	5.0	0.50	mg/L		10/29/15 12:00	10/29/15 23:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Copper	0.027		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Iron	2.6		0.20	0.20	mg/L		10/29/15 12:00	10/29/15 23:57	1
Lead	0.0082		0.0075	0.0075	mg/L		10/29/15 12:00	10/29/15 23:57	1
Magnesium	3.7	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:57	1
Manganese	0.086		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Potassium	3.3	B	2.5	0.50	mg/L		10/29/15 12:00	10/29/15 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/29/15 23:57	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Vanadium	0.030		0.025	0.010	mg/L		10/29/15 12:00	10/29/15 23:57	1
Zinc	0.66	B	0.50	0.020	mg/L		10/29/15 12:00	10/29/15 23:57	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		10/29/15 10:50	11/04/15 16:25	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (5-10)

Lab Sample ID: 500-103025-15

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 77.4

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		10/29/15 17:00	10/30/15 11:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.64		0.64	0.21	mg/Kg	☼	10/29/15 15:30	10/29/15 20:02	1
pH	8.63		0.200	0.200	SU			10/30/15 15:46	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Date Collected: 10/23/15 13:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.024		0.024	0.0046	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Benzene	<0.0060		0.0060	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Bromodichloromethane	<0.0060		0.0060	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Bromoform	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Bromomethane	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
2-Butanone (MEK)	<0.0060		0.0060	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Carbon disulfide	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Carbon tetrachloride	<0.0060		0.0060	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Chlorobenzene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Chloroethane	<0.0060	*	0.0060	0.0025	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Chloroform	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Chloromethane	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
cis-1,2-Dichloroethene	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
cis-1,3-Dichloropropene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Dibromochloromethane	<0.0060		0.0060	0.00068	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,1-Dichloroethane	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,2-Dichloroethane	<0.0060		0.0060	0.00088	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,1-Dichloroethene	<0.0060		0.0060	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,2-Dichloropropane	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,3-Dichloropropane, Total	<0.0060		0.0060	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Ethylbenzene	<0.0060		0.0060	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
2-Hexanone	<0.0060		0.0060	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Methylene Chloride	<0.0060		0.0060	0.0045	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
4-Methyl-2-pentanone (MIBK)	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Methyl tert-butyl ether	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Styrene	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,1,1,2-Tetrachloroethane	<0.0060		0.0060	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Tetrachloroethene	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Toluene	<0.0060		0.0060	0.0021	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
trans-1,2-Dichloroethene	<0.0060		0.0060	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
trans-1,3-Dichloropropene	<0.0060		0.0060	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,1,1-Trichloroethane	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
1,1,2-Trichloroethane	<0.0060		0.0060	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Trichloroethene	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Vinyl acetate	<0.0060		0.0060	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Vinyl chloride	<0.0060		0.0060	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1
Xylenes, Total	<0.012		0.012	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 17:53	1
Dibromofluoromethane	108		75 - 120	10/24/15 13:20	10/27/15 17:53	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/24/15 13:20	10/27/15 17:53	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.044		0.044	0.0079	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Acenaphthylene	<0.044		0.044	0.0058	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Anthracene	<0.044		0.044	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Benzo[a]anthracene	<0.044		0.044	0.0059	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Date Collected: 10/23/15 13:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.044		0.044	0.0085	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Benzo[b]fluoranthene	<0.044		0.044	0.0095	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Benzo[g,h,i]perylene	<0.044		0.044	0.014	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.081	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Butyl benzyl phthalate	<0.22		0.22	0.084	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Carbazole	<0.22		0.22	0.11	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4-Chloroaniline	<0.89		0.89	0.21	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Chlorophenol	<0.22		0.22	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Chrysene	<0.044		0.044	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0085	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Dibenzofuran	<0.22		0.22	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
1,3-Dichlorobenzene	<0.22		0.22	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
1,4-Dichlorobenzene	<0.22		0.22	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4-Dichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Diethyl phthalate	<0.22		0.22	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Dimethyl phthalate	<0.22		0.22	0.058	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Di-n-butyl phthalate	<0.22		0.22	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4,6-Dinitro-2-methylphenol	<0.89		0.89	0.35	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4-Dinitrophenol	<0.89		0.89	0.78	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4-Dinitrotoluene	<0.22		0.22	0.070	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,6-Dinitrotoluene	<0.22		0.22	0.087	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Di-n-octyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Fluoranthene	<0.044		0.044	0.0082	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Fluorene	<0.044		0.044	0.0062	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Hexachlorobenzene	<0.089		0.089	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Hexachlorobutadiene	<0.22		0.22	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Hexachlorocyclopentadiene	<0.89		0.89	0.25	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Hexachloroethane	<0.22		0.22	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Indeno[1,2,3-cd]pyrene	<0.044		0.044	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Isophorone	<0.22		0.22	0.050	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Methylnaphthalene	<0.044		0.044	0.0081	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
3 & 4 Methylphenol	<0.22		0.22	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Naphthalene	<0.044		0.044	0.0068	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Nitroaniline	<0.22		0.22	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
4-Nitroaniline	<0.44		0.44	0.18	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2-Nitrophenol	<0.44		0.44	0.10	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Date Collected: 10/23/15 13:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.89		0.89	0.42	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
N-Nitrosodi-n-propylamine	<0.22		0.22	0.054	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
N-Nitrosodiphenylamine	<0.22		0.22	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Pentachlorophenol	<0.89		0.89	0.71	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Phenanthrene	<0.044		0.044	0.0062	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Phenol	<0.22		0.22	0.098	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Pyrene	0.029	J	0.044	0.0088	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
1,2,4-Trichlorobenzene	<0.22		0.22	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		25 - 119				10/28/15 07:26	11/02/15 20:36	1
2-Fluorophenol	200	X	25 - 110				10/28/15 07:26	11/02/15 20:36	1
Nitrobenzene-d5	57		25 - 115				10/28/15 07:26	11/02/15 20:36	1
Phenol-d5	68		31 - 110				10/28/15 07:26	11/02/15 20:36	1
Terphenyl-d14	143	X	36 - 134				10/28/15 07:26	11/02/15 20:36	1
2,4,6-Tribromophenol	90		35 - 137				10/28/15 07:26	11/02/15 20:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.3		1.3	0.28	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Arsenic	6.2		0.67	0.31	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Barium	60		0.66	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 01:22	1
Beryllium	0.84		0.27	0.058	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Cadmium	0.24		0.13	0.039	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Chromium	18	B	0.67	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Cobalt	11		0.34	0.076	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Copper	27	B	0.67	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Iron	20000	B	13	5.2	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Lead	19	B	0.34	0.17	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Magnesium	11000		6.7	2.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Calcium	14000	B	13	4.3	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Manganese	160	B	0.67	0.13	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Nickel	33		0.67	0.18	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Selenium	0.69		0.66	0.33	mg/Kg	☼	10/30/15 13:30	10/31/15 01:22	1
Silver	<0.34		0.34	0.079	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Thallium	<0.67		0.67	0.33	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Vanadium	21		0.34	0.098	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Zinc	70	B	1.3	0.43	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Potassium	1800		34	5.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1
Sodium	190		67	8.9	mg/Kg	☼	10/29/15 09:29	10/29/15 19:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Barium	0.37	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Date Collected: 10/23/15 13:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 73.6

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		10/29/15 10:50	10/30/15 05:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Copper	0.016	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:33	1
Magnesium	110		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:33	1
Manganese	1.3		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Potassium	4.6		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:33	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:33	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:33	1
Zinc	0.23	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Barium	0.10	J	0.50	0.050	mg/L		10/29/15 12:00	10/30/15 00:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 12:00	10/30/15 00:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/30/15 00:04	1
Calcium	16	B	5.0	0.50	mg/L		10/29/15 12:00	10/30/15 00:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Copper	0.017	J	0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Iron	1.3		0.20	0.20	mg/L		10/29/15 12:00	10/30/15 00:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 12:00	10/30/15 00:04	1
Magnesium	5.6	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:04	1
Manganese	0.032		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Potassium	2.3	J B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/30/15 00:04	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:04	1
Zinc	0.11	J B	0.50	0.020	mg/L		10/29/15 12:00	10/30/15 00:04	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		10/29/15 10:50	11/04/15 16:26	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:26	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B01 (10-15)

Lab Sample ID: 500-103025-16

Date Collected: 10/23/15 13:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 73.6

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		10/29/15 17:00	10/30/15 11:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.022	0.0075	mg/Kg	☼	10/28/15 16:15	10/29/15 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.64		0.64	0.21	mg/Kg	☼	10/29/15 15:30	10/29/15 20:02	1
pH	8.37		0.200	0.200	SU			10/30/15 15:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4)

Lab Sample ID: 500-103025-17

Date Collected: 10/23/15 12:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Benzene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Bromodichloromethane	<0.0052		0.0052	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
2-Butanone (MEK)	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Dibromochloromethane	<0.0052		0.0052	0.00059	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 18:17	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/27/15 18:17	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/27/15 18:17	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 18:17	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	☼	10/28/15 07:26	11/04/15 22:09	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Anthracene	0.020	J	0.039	0.0066	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Benzo[a]anthracene	0.095		0.039	0.0053	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4)

Lab Sample ID: 500-103025-17

Date Collected: 10/23/15 12:05

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.10		0.039	0.0076	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Benzo[b]fluoranthene	0.15		0.039	0.0085	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Benzo[g,h,i]perylene	0.051		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Benzo[k]fluoranthene	0.057		0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4-Chloroaniline	<0.79		0.79	0.19	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Chrysene	0.11		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Fluoranthene	0.24		0.039	0.0073	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Indeno[1,2,3-cd]pyrene	0.058		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4)
Date Collected: 10/23/15 12:05
Date Received: 10/24/15 08:50

Lab Sample ID: 500-103025-17
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	<0.79		0.79	0.37	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Phenanthrene	0.10		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Pyrene	0.24		0.039	0.0078	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:26	11/04/15 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	114		25 - 119				10/28/15 07:26	11/04/15 22:09	1
2-Fluorophenol	126	X	25 - 110				10/28/15 07:26	11/04/15 22:09	1
Nitrobenzene-d5	103		25 - 115				10/28/15 07:26	11/04/15 22:09	1
Phenol-d5	83		31 - 110				10/28/15 07:26	11/04/15 22:09	1
Terphenyl-d14	139	X	36 - 134				10/28/15 07:26	11/04/15 22:09	1
2,4,6-Tribromophenol	65		35 - 137				10/28/15 07:26	11/04/15 22:09	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	☼	10/29/15 09:29	10/29/15 19:50	1
Arsenic	7.5		0.58	0.27	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Barium	71		0.57	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 01:45	1
Beryllium	0.70		0.23	0.050	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Cadmium	0.18		0.12	0.034	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Chromium	16 B		0.58	0.10	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Cobalt	14		0.29	0.066	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Copper	26 B		0.58	0.13	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Iron	19000 B		12	4.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Lead	28 B		0.29	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Magnesium	18000		5.8	2.4	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Calcium	33000 B		12	3.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Manganese	380 B		0.58	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Nickel	34		0.58	0.16	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 01:45	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Vanadium	18		0.29	0.085	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Zinc	63 B		1.2	0.37	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Potassium	1500		29	4.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1
Sodium	1600		58	7.7	mg/Kg	☼	10/29/15 09:29	10/29/15 19:50	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Barium	0.58		0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4)

Lab Sample ID: 500-103025-17

Date Collected: 10/23/15 12:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 05:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Cobalt	0.014	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Copper	0.012	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:40	1
Magnesium	54		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:40	1
Manganese	4.8		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Nickel	0.017	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Potassium	5.0		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:40	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:40	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:40	1
Zinc	0.35	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Barium	0.75		0.50	0.050	mg/L		10/29/15 12:00	10/30/15 00:11	1
Beryllium	0.0066		0.0040	0.0040	mg/L		10/29/15 12:00	10/30/15 00:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/30/15 00:11	1
Calcium	44	B	5.0	0.50	mg/L		10/29/15 12:00	10/30/15 00:11	1
Chromium	0.17		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Cobalt	0.066		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Copper	0.24		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Iron	180		0.20	0.20	mg/L		10/29/15 12:00	10/30/15 00:11	1
Lead	0.17		0.0075	0.0075	mg/L		10/29/15 12:00	10/30/15 00:11	1
Magnesium	37	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:11	1
Manganese	1.7		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Nickel	0.21		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Potassium	29	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/30/15 00:11	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Vanadium	0.21		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:11	1
Zinc	1.4	B	0.50	0.020	mg/L		10/29/15 12:00	10/30/15 00:11	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		10/29/15 10:50	11/04/15 16:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:50	1
Thallium	0.0046		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00026		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-B02 (0-4)

Lab Sample ID: 500-103025-17

Date Collected: 10/23/15 12:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.6

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		10/29/15 17:00	10/30/15 12:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.020	0.0071	mg/Kg	☼	10/28/15 16:15	10/29/15 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/29/15 15:30	10/29/15 20:03	1
pH	8.90		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-G01

Lab Sample ID: 500-103025-18

Date Collected: 10/23/15 16:10

Matrix: Water

Date Received: 10/24/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			11/03/15 13:09	1
Benzene	0.0021		0.00050	0.00015	mg/L			11/03/15 13:09	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:09	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			11/03/15 13:09	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			11/03/15 13:09	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			11/03/15 13:09	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			11/03/15 13:09	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:09	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			11/03/15 13:09	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:09	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			11/03/15 13:09	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			11/03/15 13:09	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			11/03/15 13:09	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			11/03/15 13:09	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			11/03/15 13:09	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:09	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:09	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			11/03/15 13:09	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			11/03/15 13:09	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			11/03/15 13:09	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			11/03/15 13:09	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			11/03/15 13:09	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			11/03/15 13:09	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			11/03/15 13:09	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:09	1
Styrene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:09	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			11/03/15 13:09	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:09	1
Toluene	<0.00050		0.00050	0.00015	mg/L			11/03/15 13:09	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			11/03/15 13:09	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			11/03/15 13:09	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			11/03/15 13:09	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			11/03/15 13:09	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			11/03/15 13:09	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			11/03/15 13:09	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			11/03/15 13:09	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			11/03/15 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 120		11/03/15 13:09	1
Dibromofluoromethane	98		75 - 120		11/03/15 13:09	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 125		11/03/15 13:09	1
Toluene-d8 (Surr)	98		75 - 120		11/03/15 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00075		0.00075	0.00023	mg/L		10/28/15 09:30	10/29/15 20:09	1
Acenaphthylene	<0.00075		0.00075	0.00020	mg/L		10/28/15 09:30	10/29/15 20:09	1
Anthracene	0.00029	J	0.00075	0.00025	mg/L		10/28/15 09:30	10/29/15 20:09	1
Benzo[a]anthracene	0.0017		0.00012	0.000042	mg/L		10/28/15 09:30	10/29/15 20:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-G01

Lab Sample ID: 500-103025-18

Date Collected: 10/23/15 16:10

Matrix: Water

Date Received: 10/24/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.0026		0.00015	0.000074	mg/L		10/28/15 09:30	10/29/15 20:09	1
Benzo[b]fluoranthene	0.0053		0.00015	0.000060	mg/L		10/28/15 09:30	10/29/15 20:09	1
Benzo[g,h,i]perylene	0.0017		0.00075	0.00028	mg/L		10/28/15 09:30	10/29/15 20:09	1
Benzo[k]fluoranthene	0.0013		0.00015	0.000048	mg/L		10/28/15 09:30	10/29/15 20:09	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00021	mg/L		10/28/15 09:30	10/29/15 20:09	1
Bis(2-chloroethyl)ether	<0.0015		0.0015	0.00022	mg/L		10/28/15 09:30	10/29/15 20:09	1
Bis(2-ethylhexyl) phthalate	0.0041	J	0.0075	0.0013	mg/L		10/28/15 09:30	10/29/15 20:09	1
4-Bromophenyl phenyl ether	<0.0037		0.0037	0.00040	mg/L		10/28/15 09:30	10/29/15 20:09	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00036	mg/L		10/28/15 09:30	10/29/15 20:09	1
Carbazole	0.00053	J	0.0037	0.00026	mg/L		10/28/15 09:30	10/29/15 20:09	1
4-Chloroaniline	<0.0075		0.0075	0.0015	mg/L		10/28/15 09:30	10/29/15 20:09	1
4-Chloro-3-methylphenol	<0.0075		0.0075	0.0017	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Chloronaphthalene	<0.0015		0.0015	0.00018	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Chlorophenol	<0.0037		0.0037	0.00042	mg/L		10/28/15 09:30	10/29/15 20:09	1
4-Chlorophenyl phenyl ether	<0.0037		0.0037	0.00047	mg/L		10/28/15 09:30	10/29/15 20:09	1
Chrysene	0.0025		0.00037	0.000051	mg/L		10/28/15 09:30	10/29/15 20:09	1
Dibenz(a,h)anthracene	0.00060		0.00022	0.000038	mg/L		10/28/15 09:30	10/29/15 20:09	1
Dibenzofuran	<0.0015		0.0015	0.00020	mg/L		10/28/15 09:30	10/29/15 20:09	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/28/15 09:30	10/29/15 20:09	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/28/15 09:30	10/29/15 20:09	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/28/15 09:30	10/29/15 20:09	1
3,3'-Dichlorobenzidine	<0.0037		0.0037	0.0013	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4-Dichlorophenol	<0.0075		0.0075	0.0019	mg/L		10/28/15 09:30	10/29/15 20:09	1
Diethyl phthalate	<0.0015		0.0015	0.00027	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4-Dimethylphenol	<0.0075		0.0075	0.0013	mg/L		10/28/15 09:30	10/29/15 20:09	1
Dimethyl phthalate	<0.0015		0.0015	0.00023	mg/L		10/28/15 09:30	10/29/15 20:09	1
Di-n-butyl phthalate	<0.0037		0.0037	0.00054	mg/L		10/28/15 09:30	10/29/15 20:09	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0044	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4-Dinitrophenol	<0.015		0.015	0.0064	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4-Dinitrotoluene	<0.00075		0.00075	0.00018	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,6-Dinitrotoluene	<0.00037		0.00037	0.000055	mg/L		10/28/15 09:30	10/29/15 20:09	1
Di-n-octyl phthalate	<0.0075		0.0075	0.00078	mg/L		10/28/15 09:30	10/29/15 20:09	1
Fluoranthene	0.0041		0.00075	0.00034	mg/L		10/28/15 09:30	10/29/15 20:09	1
Fluorene	<0.00075		0.00075	0.00018	mg/L		10/28/15 09:30	10/29/15 20:09	1
Hexachlorobenzene	<0.00037		0.00037	0.000059	mg/L		10/28/15 09:30	10/29/15 20:09	1
Hexachlorobutadiene	<0.0037		0.0037	0.00038	mg/L		10/28/15 09:30	10/29/15 20:09	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0048	mg/L		10/28/15 09:30	10/29/15 20:09	1
Hexachloroethane	<0.0037		0.0037	0.00045	mg/L		10/28/15 09:30	10/29/15 20:09	1
Indeno[1,2,3-cd]pyrene	0.0015		0.00015	0.000056	mg/L		10/28/15 09:30	10/29/15 20:09	1
Isophorone	<0.0015		0.0015	0.00028	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Methylnaphthalene	0.00055		0.00037	0.000049	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Methylphenol	<0.0015		0.0015	0.00023	mg/L		10/28/15 09:30	10/29/15 20:09	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00033	mg/L		10/28/15 09:30	10/29/15 20:09	1
Naphthalene	0.00073	J	0.00075	0.00023	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Nitroaniline	<0.0037		0.0037	0.00096	mg/L		10/28/15 09:30	10/29/15 20:09	1
3-Nitroaniline	<0.0075		0.0075	0.0013	mg/L		10/28/15 09:30	10/29/15 20:09	1
4-Nitroaniline	<0.0075		0.0075	0.0012	mg/L		10/28/15 09:30	10/29/15 20:09	1
Nitrobenzene	<0.00075		0.00075	0.00033	mg/L		10/28/15 09:30	10/29/15 20:09	1
2-Nitrophenol	<0.0075	*	0.0075	0.0019	mg/L		10/28/15 09:30	10/29/15 20:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-G01

Lab Sample ID: 500-103025-18

Date Collected: 10/23/15 16:10

Matrix: Water

Date Received: 10/24/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.015		0.015	0.0055	mg/L		10/28/15 09:30	10/29/15 20:09	1
N-Nitrosodi-n-propylamine	<0.00037		0.00037	0.00011	mg/L		10/28/15 09:30	10/29/15 20:09	1
N-Nitrosodiphenylamine	<0.00075		0.00075	0.00028	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00028	mg/L		10/28/15 09:30	10/29/15 20:09	1
Pentachlorophenol	<0.015		0.015	0.0029	mg/L		10/28/15 09:30	10/29/15 20:09	1
Phenanthrene	0.0017		0.00075	0.00022	mg/L		10/28/15 09:30	10/29/15 20:09	1
Phenol	<0.0037		0.0037	0.00050	mg/L		10/28/15 09:30	10/29/15 20:09	1
Pyrene	0.0047		0.00075	0.00032	mg/L		10/28/15 09:30	10/29/15 20:09	1
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4,5-Trichlorophenol	<0.0075		0.0075	0.0019	mg/L		10/28/15 09:30	10/29/15 20:09	1
2,4,6-Trichlorophenol	<0.0037		0.0037	0.00053	mg/L		10/28/15 09:30	10/29/15 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	45		41 - 132				10/28/15 09:30	10/29/15 20:09	1
2-Fluorophenol	59		32 - 110				10/28/15 09:30	10/29/15 20:09	1
Nitrobenzene-d5	9	X	47 - 134				10/28/15 09:30	10/29/15 20:09	1
Phenol-d5	50		25 - 100				10/28/15 09:30	10/29/15 20:09	1
Terphenyl-d14	39	X	59 - 150				10/28/15 09:30	10/29/15 20:09	1
2,4,6-Tribromophenol	76		53 - 150				10/28/15 09:30	10/29/15 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015	0.0051	mg/L		10/26/15 18:00	10/27/15 18:01	5
Arsenic	0.064		0.0010	0.00044	mg/L		10/26/15 18:00	11/04/15 16:32	1
Barium	1.4		0.013	0.0042	mg/L		10/26/15 18:00	10/27/15 18:01	5
Beryllium	0.0061		0.0050	0.0012	mg/L		10/26/15 18:00	10/27/15 18:01	5
Cadmium	0.0022	J	0.0025	0.00095	mg/L		10/26/15 18:00	10/27/15 18:01	5
Calcium	1200		1.0	0.53	mg/L		10/26/15 18:00	11/03/15 19:44	5
Chromium	0.21		0.025	0.0030	mg/L		10/26/15 18:00	10/27/15 18:01	5
Cobalt	0.077		0.0050	0.00095	mg/L		10/26/15 18:00	10/27/15 18:01	5
Copper	0.30		0.0020	0.00096	mg/L		10/26/15 18:00	11/04/15 16:32	1
Iron	170		0.50	0.13	mg/L		10/26/15 18:00	10/27/15 18:01	5
Lead	0.32		0.0025	0.00071	mg/L		10/26/15 18:00	10/27/15 18:01	5
Magnesium	110		1.0	0.42	mg/L		10/26/15 18:00	10/27/15 18:01	5
Manganese	3.5		0.013	0.0050	mg/L		10/26/15 18:00	10/27/15 18:01	5
Nickel	0.22		0.010	0.0026	mg/L		10/26/15 18:00	10/27/15 18:01	5
Potassium	25		2.5	0.95	mg/L		10/26/15 18:00	10/27/15 18:01	5
Selenium	0.0069	J	0.013	0.0042	mg/L		10/26/15 18:00	10/27/15 18:01	5
Silver	0.00053	J	0.0025	0.00040	mg/L		10/26/15 18:00	10/27/15 18:01	5
Sodium	3600		10	4.4	mg/L		10/26/15 18:00	11/05/15 11:54	50
Thallium	0.0038	J	0.010	0.0030	mg/L		10/26/15 18:00	10/27/15 18:01	5
Vanadium	0.22		0.025	0.011	mg/L		10/26/15 18:00	11/05/15 11:46	5
Zinc	0.63		0.10	0.023	mg/L		10/26/15 18:00	10/27/15 18:01	5

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000061	mg/L		10/26/15 16:00	10/27/15 09:30	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Client Sample ID: 2678-12-G01

Lab Sample ID: 500-103025-18

Date Collected: 10/23/15 16:10

Matrix: Water

Date Received: 10/24/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0086	J	0.010	0.0021	mg/L		10/30/15 14:40	10/30/15 16:46	1

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
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
*	LCS or LCSD is outside acceptance 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.
^	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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-2

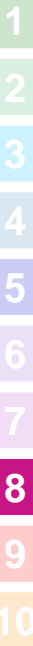
Laboratory: TestAmerica Chicago

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	04-30-16

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		Water	1,3-Dichloropropene, Total
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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Report To (optional) Math Weiss
 Contact: Tenacox
 Company: Tenacox
 Address: _____
 Address: _____
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-103025
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter										Preservative Key		
Project Name		Schauheimburg, IL		1157103		VOCs		SVOGs		Total 24 Inorganics		PH		TCP 24		SPLP 24 Inorganics		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaHSO4, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Location/State		Schaumburg, IL		Lab Project #														
Simpler		Jenavaska Williams		Lab PM														
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix												Comments
13		2678-12 B01 (0-5)	10/23/15	1240	5	S	X	X	X	X	X	X	X	X	X	X	X	
14		2678-12 B01 (0-5) DUP		1240	5	S	X	X	X	X	X	X	X	X	X	X	X	
15		2678-12 B01 (5-10)		1250	5	S	X	X	X	X	X	X	X	X	X	X	X	
16		2678-12 B01 (10-15)		1300	5	S	X	X	X	X	X	X	X	X	X	X	X	
17		2678-12 B02 (0-4)		1205	5	S	X	X	X	X	X	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 <u>Math Weiss</u> Company: <u>Tenacox</u> Date: <u>10/23/15</u> Time: <u>1700</u>	Received By <u>Math Weiss</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>	Lab Courier <u>TA</u>
Relinquished By <u>Math Weiss</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By <u>Math Weiss</u> Company: <u>TA</u> Date: <u>10/24/15</u> Time: <u>0850</u>	Shipped _____
Relinquished By _____	Received By _____	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
Meet IL TACO requirements
No Aluminum

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.634.5200 Fax: 708.634.5211

Report To: (optional) **Matt Weiss**
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambussader Drive
Naperville, IL
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail:

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative																Preservative Key	
		11157103																		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	
Project Name		Project Location/State		Lab Project #		Parameter														Comments	
		Schaumburg, IL				VOCs															
Sampler		Lab PM		Sampling		# of Containers		Matrix													
		Jankuska Williams		Date		Time															
Lab ID	MS/MSD	Sample ID																			
18		2678-12 G01		10/23/15		1610		6 W													

Turnaround Time Required (Business Days)

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

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
<i>Matt Weiss</i>	Terracon	10/23/15	1700	<i>Daniel Phillips</i>	TA	10/23/15	1700
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<i>Daniel Phillips</i>	TA	10/23/15	1925	<i>Shawn Wood</i>	TA-CHE	10/24/15	0850
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: **TA**
Shipped: _____
Hand Delivered: _____

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

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-2

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound) -West of N. Martingale Rd and Higgins Rd IDOT STA 131+50 to 132+80 (ISGS Site 2678-13)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03799 Longitude: -88.03895

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 2678-13.
See Exhibits 2, 2F and Table 13 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-3. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

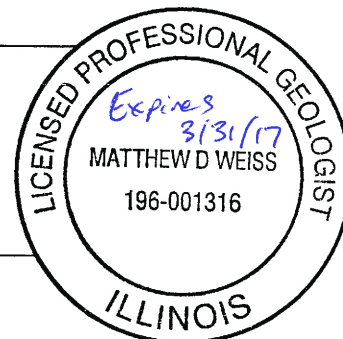
Printed Name:

[Signature]

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

12/11/15

Date:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-13)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 2

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-13-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Semivolatile Organic Analytical Parameters						
Fluoranthene	mg/kg	2.7	4.1	3100		0.012
Pyrene	mg/kg	1.9	3.0	2300		0.017
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		7.7
Barium	mg/kg	---	110	1500		70
Cadmium	mg/kg	---	0.6	5.2		0.19
Chromium, total	mg/kg	---	16.2	21		16
Lead	mg/kg	---	36	107		14
Mercury	mg/kg	---	0.06	0.1		0.047
Selenium	mg/kg	---	0.48	1.3		<0.58
Silver	mg/kg	---	0.55	4.4		<0.28
Antimony	mg/kg	---	4.0	5		<1.1
Beryllium	mg/kg	---	0.59	22		0.77
Calcium	mg/kg	---	9,300	---		71000
Cobalt	mg/kg	---	8.9	20		14
Copper	mg/kg	---	19.6	2900		25
Cyanide	mg/kg	---	0.51	---		<0.59
Iron	mg/kg	---	15,900	15000		20000
Magnesium	mg/kg	---	4,820	325000		21000
Manganese	mg/kg	---	636	630		620
Nickel	mg/kg	---	18	100		36
Potassium	mg/kg	---	1,268	---		1500
Sodium	mg/kg	---	130	---		790
Thallium	mg/kg	---	0.32	2.6		<0.56
Vanadium	mg/kg	---	25.2	550		19
Zinc	mg/kg	---	95	5100		51
pH			6.25	9		8.84
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.078
Barium, SPLP	mg/L	---	---	---		0.64
Beryllium, SPLP	mg/L	---	---	---		0.0065
Cadmium, SPLP	mg/L	---	---	---		<0.0050
Calcium, SPLP	mg/L	---	---	---		35
Chromium, SPLP	mg/L	---	---	---		0.15
Cobalt, SPLP	mg/L	---	---	---		0.06
Copper, SPLP	mg/L	---	---	---		0.22
Iron, SPLP	mg/L	---	---	---		170
Lead, SPLP	mg/L	---	---	---		0.12
Magnesium, SPLP	mg/L	---	---	---		34
Manganese, SPLP	mg/L	---	---	---		1.2
Mercury, SPLP	mg/L	---	---	---		<0.00020
Nickel, SPLP	mg/L	---	---	---		0.19
Potassium, SPLP	mg/L	---	---	---		25
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025
Sodium, SPLP	mg/L	---	---	---		----
Thallium, SPLP	mg/L	---	---	---		0.0043
Vanadium, SPLP	mg/L	---	---	---		0.19
Zinc, SPLP	mg/L	---	---	---		0.45
Cyanide, SPLP	mg/L	---	---	---		----

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-13)
Schaumburg, IL
Terracon Project No. 11157103
Page 2 of 2

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-13-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Inorganic Analytical Parameters (TCLP)						
Arsenic, TCLP	mg/L	---	---	---		<0.050
Barium, TCLP	mg/L	---	---	---		0.46
Cadmium, TCLP	mg/L	---	---	---		<0.0050
Chromium, TCLP	mg/L	---	---	---		<0.025
Lead, TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		310
Cobalt, TCLP	mg/L	---	---	---		0.021
Copper, TCLP	mg/L	---	---	---		0.012
Cyanide, TCLP	mg/L	---	---	---		----
Iron, TCLP	mg/L	---	---	---		<0.20
Magnesium, TCLP	mg/L	---	---	---		77
Manganese, TCLP	mg/L	---	---	---		9
Nickel, TCLP	mg/L	---	---	---		0.018
Potassium, TCLP	mg/L	---	---	---		4.1
Sodium, TCLP	mg/L	---	---	---		----
Thallium, TCLP	mg/L	---	---	---		<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025
Zinc, TCLP	mg/L	---	---	---		0.14

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: 500-103025-3

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:

11/5/2015 7:08:13 PM

Jodie Bracken, Project Management Assistant II

jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager

(708)534-5200

richard.wright@testamericainc.com

LINKS

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

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Job ID: 500-103025-3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-3

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was 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: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-13-B01 (0-4) (500-103025-19), (500-103025-F-1-A), (500-103025-F-1-B MS) and (500-103025-F-1-C MSD). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 500-310195 and analytical batch 500-310346 contained Calcium and Lead above the reporting limit (RL). Associated samples 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 continuing calibration verification (CCV) associated with batch 500-310405 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: (500-103025-A-1-D).

Method(s) 6010B: The interference check standard B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-13-B01 (0-4) (500-103025-19) and (500-103025-A-1-D) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.012	J	0.039	0.0074	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.017	J	0.039	0.0079	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	70		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	71000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	620		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	36		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	790		56	7.5	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
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	77		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	9.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.1		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.078		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.64		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0065		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	35	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.060		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	170		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	34	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.2		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	25	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.45	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0043		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.047		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.84		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-19	2678-13-B01 (0-4)	Solid	10/23/15 11:45	10/24/15 08:50

1

2

3

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	10/24/15 13:20	10/27/15 18:41	1
Dibromofluoromethane	109		75 - 120	10/24/15 13:20	10/27/15 18:41	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/24/15 13:20	10/27/15 18:41	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/27/15 18:41	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	☼	10/28/15 07:26	11/02/15 21:34	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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	☼	10/28/15 07:26	11/02/15 21:34	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Fluoranthene	0.012 J		0.039	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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	☼	10/28/15 07:26	11/02/15 21:34	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
Pyrene	0.017	J	0.039	0.0079	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/28/15 07:26	11/02/15 21:34	1
2-Fluorophenol	110		25 - 110	10/28/15 07:26	11/02/15 21:34	1
Nitrobenzene-d5	76		25 - 115	10/28/15 07:26	11/02/15 21:34	1
Phenol-d5	109		31 - 110	10/28/15 07:26	11/02/15 21:34	1
Terphenyl-d14	166	X	36 - 134	10/28/15 07:26	11/02/15 21:34	1
2,4,6-Tribromophenol	62		35 - 137	10/28/15 07:26	11/02/15 21:34	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	☼	10/29/15 09:29	10/29/15 19:55	1
Arsenic	7.7		0.56	0.26	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Barium	70		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 01:52	1
Beryllium	0.77		0.23	0.049	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Chromium	16		0.56	0.097	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Cobalt	14		0.28	0.064	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Copper	25		0.56	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Iron	20000		11	4.4	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Lead	14		0.28	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Magnesium	21000		5.6	2.3	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Calcium	71000	B	110	36	mg/Kg	☼	10/29/15 09:29	10/30/15 15:13	10
Manganese	620		0.56	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Nickel	36		0.56	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 01:52	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Vanadium	19		0.28	0.082	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Zinc	51		1.1	0.36	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Potassium	1500		28	4.6	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	1
Sodium	790		56	7.5	mg/Kg	☼	10/29/15 09:29	10/29/15 19:55	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		10/29/15 10:50	10/30/15 05:47	1
Barium	0.46	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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		10/29/15 10:50	10/30/15 05:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Copper	0.012	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:47	1
Magnesium	77		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:47	1
Manganese	9.0		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Nickel	0.018	J	0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Potassium	4.1		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:47	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:47	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:47	1
Zinc	0.14	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.078		0.050	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Barium	0.64		0.50	0.050	mg/L		10/29/15 12:00	10/30/15 00:17	1
Beryllium	0.0065		0.0040	0.0040	mg/L		10/29/15 12:00	10/30/15 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/30/15 00:17	1
Calcium	35	B	5.0	0.50	mg/L		10/29/15 12:00	10/30/15 00:17	1
Chromium	0.15		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Cobalt	0.060		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Copper	0.22		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Iron	170		0.20	0.20	mg/L		10/29/15 12:00	10/30/15 00:17	1
Lead	0.12		0.0075	0.0075	mg/L		10/29/15 12:00	10/30/15 00:17	1
Magnesium	34	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:17	1
Manganese	1.2		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Nickel	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Potassium	25	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/30/15 00:17	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Vanadium	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:17	1
Zinc	0.45	J B	0.50	0.020	mg/L		10/29/15 12:00	10/30/15 00:17	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		10/29/15 10:50	11/04/15 16:28	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:28	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:50	1
Thallium	0.0043		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:12	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

Client Sample ID: 2678-13-B01 (0-4)

Lab Sample ID: 500-103025-19

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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		10/29/15 17:00	10/30/15 12:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.047		0.017	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	☼	10/29/15 15:30	10/29/15 20:03	1
pH	8.84		0.200	0.200	SU			10/30/15 14:50	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

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
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-3

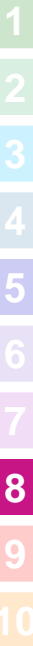
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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

Report To: *Matt Weiss* (optional)
Contact: *Terracon*
Company: _____
Address: _____
Address: _____
Phone: *630-717-4263*
Fax: *630-357-9489*
E-Mail: _____

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

Chain of Custody Record

Lab Job #: *500-103025*

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative												Preservative Key			
Project Name		Lab Project #		Parameter												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			
Project Location/State		Lab PM																	
Sampler																			
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix													Comments
			Date	Time															
<i>19</i>		<i>2678-13B01(0-4)</i>	<i>10/23/15</i>	<i>11:45</i>	<i>5</i>	<i>5</i>	<i>VOCs</i>	<i>SVOCs</i>	<i>Total 24</i>	<i>Inorganics</i>	<i>PH</i>	<i>TCLP 24</i>	<i>SPLP 24</i>	<i>Inorganics</i>					

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 <i>Dean Kule</i> Company: <i>Terracon</i> Date: <i>10/23/15</i> Time: <i>1700</i>	Received By <i>Daniel Chirba</i> Company: <i>TA</i> Date: <i>10/23/15</i> Time: <i>1700</i>
Relinquished By <i>Daniel Chirba</i> Company: <i>TA</i> Date: <i>10/23/15</i> Time: <i>1925</i>	Received By <i>Shirley Crow</i> Company: <i>TA-CHE</i> Date: <i>10/24/15</i> Time: <i>0850</i>
Relinquished By Company: Date: Time:	Received By Company: Date: Time:

Lab Courier: *TTA*

Shipped: _____

Hand Delivered: _____

Matrix Key

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

Client Comments:
Meet IL TACO requirements
No Aluminum

Lab Comments: _____

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-3

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-West of N. Martigale Rd and Higgins Rd IDOT STA 132+80 to 134+40 (ISGS Site 2678-14)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03799 Longitude: -88.03895

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 2678-14.
See Exhibits 2, 2F and Table 15 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-4. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

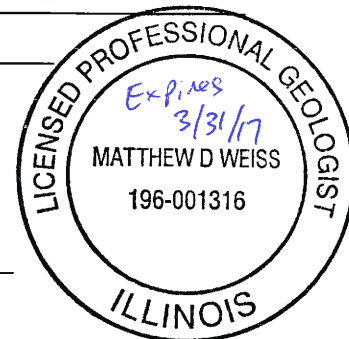
Matt Weiss
Printed Name:

[Signature]

12/11/15

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-14)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 2

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-14-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Semivolatile Organic Analytical Parameters						
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.012
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.016
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.027
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.014
Chrysene	mg/kg	1.2	2.7	88		0.016
Fluoranthene	mg/kg	2.7	4.1	3100		0.019
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.012
Pyrene	mg/kg	1.9	3.0	2300		0.012
Diethylphthalate	mg/kg	---	---	470		0.1
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		8.0
Barium	mg/kg	---	110	1500		1600
Cadmium	mg/kg	---	0.6	5.2		0.17
Chromium, total	mg/kg	---	16.2	21		13
Lead	mg/kg	---	36	107		19
Mercury	mg/kg	---	0.06	0.1		0.031
Selenium	mg/kg	---	0.48	1.3		<0.56
Silver	mg/kg	---	0.55	4.4		<0.27
Antimony	mg/kg	---	4.0	5		0.29
Beryllium	mg/kg	---	0.59	22		0.59
Calcium	mg/kg	---	9,300	---		64000
Cobalt	mg/kg	---	8.9	20		12
Copper	mg/kg	---	19.6	2900		22
Cyanide	mg/kg	---	0.51	---		<0.57
Iron	mg/kg	---	15,900	15000		17000
Magnesium	mg/kg	---	4,820	325000		25000
Manganese	mg/kg	---	636	630		340
Nickel	mg/kg	---	18	100		29
Potassium	mg/kg	---	1,268	---		1200
Sodium	mg/kg	---	130	---		1500
Thallium	mg/kg	---	0.32	2.6		<0.54
Vanadium	mg/kg	---	25.2	550		16
Zinc	mg/kg	---	95	5100		54
pH			6.25	9		8.55
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.078
Barium, SPLP	mg/L	---	---	---		0.66
Beryllium, SPLP	mg/L	---	---	---		0.0063
Cadmium, SPLP	mg/L	---	---	---		<0.0050
Calcium, SPLP	mg/L	---	---	---		52
Chromium, SPLP	mg/L	---	---	---		0.16
Cobalt, SPLP	mg/L	---	---	---		0.051
Copper, SPLP	mg/L	---	---	---		0.24
Iron, SPLP	mg/L	---	---	---		170
Lead, SPLP	mg/L	---	---	---		0.12
Magnesium, SPLP	mg/L	---	---	---		40
Manganese, SPLP	mg/L	---	---	---		1.2
Mercury, SPLP	mg/L	---	---	---		<0.00020
Nickel, SPLP	mg/L	---	---	---		0.19
Potassium, SPLP	mg/L	---	---	---		32
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025
Sodium, SPLP	mg/L	---	---	---		---
Thallium, SPLP	mg/L	---	---	---		0.0043
Vanadium, SPLP	mg/L	---	---	---		0.2
Zinc, SPLP	mg/L	---	---	---		1.3

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-14-B01 (0-4)
				CCDD	Sample Depth (feet)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015
Cyanide, SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic, TCLP	mg/L	---	---	---		<0.050
Barium, TCLP	mg/L	---	---	---		0.42
Cadmium, TCLP	mg/L	---	---	---		<0.0050
Chromium, TCLP	mg/L	---	---	---		<0.025
Lead, TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		430
Cobalt, TCLP	mg/L	---	---	---		<0.025
Copper, TCLP	mg/L	---	---	---		<0.025
Cyanide, TCLP	mg/L	---	---	---		----
Iron, TCLP	mg/L	---	---	---		<0.20
Magnesium, TCLP	mg/L	---	---	---		55
Manganese, TCLP	mg/L	---	---	---		0.89
Nickel, TCLP	mg/L	---	---	---		<0.025
Potassium, TCLP	mg/L	---	---	---		3.4
Sodium, TCLP	mg/L	---	---	---		----
Thallium, TCLP	mg/L	---	---	---		<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025
Zinc, TCLP	mg/L	---	---	---		0.13

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

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Tel: (708)534-5200

TestAmerica Job ID: 500-103025-4

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

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11/5/2015 7:09:04 PM

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Job ID: 500-103025-4

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-4

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was 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: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: (500-103025-F-1-A), (500-103025-F-1-B MS) and (500-103025-F-1-C MSD). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 500-310195 and analytical batch 500-310346 contained Calcium and Lead above the reporting limit (RL). Associated samples 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 continuing calibration verification (CCV) associated with batch 500-310405 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: (500-103025-A-1-D).

Method(s) 6010B: The interference check standard B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-14-B01 (0-4) (500-103025-20) and (500-103025-A-1-D) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.012	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA	
Benzo[a]pyrene	0.016	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA	
Benzo[b]fluoranthene	0.027	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA	
Benzo[k]fluoranthene	0.014	J	0.037	0.011	mg/Kg	1	☼	8270D	Total/NA	
Chrysene	0.016	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA	
Diethyl phthalate	0.10	J	0.19	0.063	mg/Kg	1	☼	8270D	Total/NA	
Fluoranthene	0.019	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA	
Indeno[1,2,3-cd]pyrene	0.012	J	0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA	
Pyrene	0.012	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA	
Antimony	0.29	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA	
Arsenic	8.0		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA	
Barium	1600		2.8	0.51	mg/Kg	5	☼	6010B	Total/NA	
Beryllium	0.59		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA	
Cadmium	0.17		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA	
Chromium	13		0.54	0.094	mg/Kg	1	☼	6010B	Total/NA	
Cobalt	12		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA	
Copper	22		0.54	0.12	mg/Kg	1	☼	6010B	Total/NA	
Iron	17000		11	4.2	mg/Kg	1	☼	6010B	Total/NA	
Lead	19		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA	
Magnesium	25000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA	
Calcium	64000	B	110	35	mg/Kg	10	☼	6010B	Total/NA	
Manganese	340		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA	
Nickel	29		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA	
Vanadium	16		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA	
Zinc	54		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA	
Potassium	1200		27	4.4	mg/Kg	1	☼	6010B	Total/NA	
Sodium	1500		54	7.2	mg/Kg	1	☼	6010B	Total/NA	
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP	
Calcium	430		5.0	0.50	mg/L	1		6010B	TCLP	
Magnesium	55		2.5	0.50	mg/L	1		6010B	TCLP	
Manganese	0.89		0.025	0.010	mg/L	1		6010B	TCLP	
Potassium	3.4		2.5	0.50	mg/L	1		6010B	TCLP	
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	TCLP	
Arsenic	0.078		0.050	0.010	mg/L	1		6010B	SPLP East	
Barium	0.66		0.50	0.050	mg/L	1		6010B	SPLP East	
Beryllium	0.0063		0.0040	0.0040	mg/L	1		6010B	SPLP East	
Calcium	52	B	5.0	0.50	mg/L	1		6010B	SPLP East	
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East	
Cobalt	0.051		0.025	0.010	mg/L	1		6010B	SPLP East	
Copper	0.24		0.025	0.010	mg/L	1		6010B	SPLP East	
Iron	170		0.20	0.20	mg/L	1		6010B	SPLP East	
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East	
Magnesium	40	B	2.5	0.50	mg/L	1		6010B	SPLP East	
Manganese	1.2		0.025	0.010	mg/L	1		6010B	SPLP East	
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East	
Potassium	32	B	2.5	0.50	mg/L	1		6010B	SPLP East	
Vanadium	0.20		0.025	0.010	mg/L	1		6010B	SPLP East	
Zinc	1.3	B	0.50	0.020	mg/L	1		6010B	SPLP East	
Thallium	0.0043		0.0020	0.0020	mg/L	1		6020A	SPLP East	
Mercury	0.031		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA	

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago



Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4) (Continued)

Lab Sample ID: 500-103025-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	8.55		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago



Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-20	2678-14-B01 (0-4)	Solid	10/23/15 11:25	10/24/15 08:50

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Date Collected: 10/23/15 11:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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	☼	10/24/15 13:20	10/27/15 19:06	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 19:06	1
Dibromofluoromethane	102		75 - 120	10/24/15 13:20	10/27/15 19:06	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/24/15 13:20	10/27/15 19:06	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/27/15 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Benzo[a]anthracene	0.012	J	0.037	0.0050	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Date Collected: 10/23/15 11:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.016	J	0.037	0.0072	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Benzo[b]fluoranthene	0.027	J	0.037	0.0081	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Benzo[k]fluoranthene	0.014	J	0.037	0.011	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Chrysene	0.016	J	0.037	0.010	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Diethyl phthalate	0.10	J	0.19	0.063	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Fluoranthene	0.019	J	0.037	0.0069	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Indeno[1,2,3-cd]pyrene	0.012	J	0.037	0.0097	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Date Collected: 10/23/15 11:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.36	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
Pyrene	0.012	J	0.037	0.0074	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:26	11/05/15 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/28/15 07:26	11/05/15 00:17	1
2-Fluorophenol	93		25 - 110	10/28/15 07:26	11/05/15 00:17	1
Nitrobenzene-d5	93		25 - 115	10/28/15 07:26	11/05/15 00:17	1
Phenol-d5	84		31 - 110	10/28/15 07:26	11/05/15 00:17	1
Terphenyl-d14	76		36 - 134	10/28/15 07:26	11/05/15 00:17	1
2,4,6-Tribromophenol	85		35 - 137	10/28/15 07:26	11/05/15 00:17	1

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	☼	10/29/15 09:29	10/29/15 20:00	1
Arsenic	8.0		0.54	0.25	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Barium	1600		2.8	0.51	mg/Kg	☼	10/30/15 13:30	11/02/15 14:07	5
Beryllium	0.59		0.22	0.047	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Cadmium	0.17		0.11	0.032	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Chromium	13		0.54	0.094	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Cobalt	12		0.27	0.062	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Copper	22		0.54	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Iron	17000		11	4.2	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Lead	19		0.27	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Magnesium	25000		5.4	2.2	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Calcium	64000	B	110	35	mg/Kg	☼	10/29/15 09:29	10/30/15 15:17	10
Manganese	340		0.54	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Nickel	29		0.54	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 01:58	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Vanadium	16		0.27	0.080	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Zinc	54		1.1	0.34	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Potassium	1200		27	4.4	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	1
Sodium	1500		54	7.2	mg/Kg	☼	10/29/15 09:29	10/29/15 20:00	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		10/29/15 10:50	10/30/15 05:54	1
Barium	0.42	J	0.50	0.050	mg/L		10/29/15 10:50	10/30/15 05:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 10:50	10/30/15 05:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 10:50	10/30/15 05:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Date Collected: 10/23/15 11:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430		5.0	0.50	mg/L		10/29/15 10:50	10/30/15 05:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 10:50	10/30/15 05:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 10:50	10/30/15 05:54	1
Magnesium	55		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:54	1
Manganese	0.89		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Potassium	3.4		2.5	0.50	mg/L		10/29/15 10:50	10/30/15 05:54	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 10:50	10/30/15 05:54	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 10:50	10/30/15 05:54	1
Zinc	0.13	J	0.50	0.020	mg/L		10/29/15 10:50	10/30/15 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.078		0.050	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Barium	0.66		0.50	0.050	mg/L		10/29/15 12:00	10/30/15 00:24	1
Beryllium	0.0063		0.0040	0.0040	mg/L		10/29/15 12:00	10/30/15 00:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 12:00	10/30/15 00:24	1
Calcium	52	B	5.0	0.50	mg/L		10/29/15 12:00	10/30/15 00:24	1
Chromium	0.16		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Cobalt	0.051		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Copper	0.24		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Iron	170		0.20	0.20	mg/L		10/29/15 12:00	10/30/15 00:24	1
Lead	0.12		0.0075	0.0075	mg/L		10/29/15 12:00	10/30/15 00:24	1
Magnesium	40	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:24	1
Manganese	1.2		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Nickel	0.19		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Potassium	32	B	2.5	0.50	mg/L		10/29/15 12:00	10/30/15 00:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/29/15 12:00	10/30/15 00:24	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Vanadium	0.20		0.025	0.010	mg/L		10/29/15 12:00	10/30/15 00:24	1
Zinc	1.3	B	0.50	0.020	mg/L		10/29/15 12:00	10/30/15 00:24	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		10/29/15 10:50	11/04/15 16:29	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 10:50	11/04/15 16:29	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/29/15 12:00	11/04/15 18:51	1
Thallium	0.0043		0.0020	0.0020	mg/L		10/29/15 12:00	11/04/15 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/29/15 17:00	10/30/15 11:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

Client Sample ID: 2678-14-B01 (0-4)

Lab Sample ID: 500-103025-20

Date Collected: 10/23/15 11:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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		10/29/15 17:00	10/30/15 12:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0066	mg/Kg	☼	10/28/15 16:15	10/29/15 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:04	1
pH	8.55		0.200	0.200	SU			10/30/15 14:50	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

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.

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.
^	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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-4

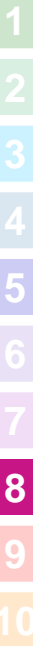
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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

Report To: Platt Weiss (optional)
 Contact: Tennacon
 Company: Tennacon
 Address: _____
 Address: _____
 Phone: 1030-717-463
 Fax: 1030-357-9489
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-103025
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative														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						
Project Name		Project Location/State		Parameter															Comments					
Sampler		Lab Project #		Matrix																				
Date/Time		Date/Time		# of Containers																				
Schaumburg, IL		11157103		VOCs																				
Junaluska Williams				SVOCs																				
				Total PAH Inorganics																				
				PH																				
				TCLP 24 Inorganics																				
				SPLP 24 Inorganics																				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix																		
20		2678-14301 (0-4)	10/23/15	1125	5	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)

Requested By: <u>Kou Webb</u> Company: <u>Tennacon</u> Date: <u>10/23/15</u> Time: <u>1700</u>	Received By: <u>David Lindsay</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>
Requested By: <u>David Lindsay</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By: <u>Shirley Scott</u> Company: <u>TA-CHI</u> Date: <u>10/24/15</u> Time: <u>0850</u>

Lab Courier: DTA
 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:
Meet IL TACO requirements
No Aluminum

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-4

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-West of N. Martingale Rd and Higgins Rd IDOT STA 134+40 to 136+60 (ISGS Site 2678-15)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03799 Longitude: -88.03895

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 2678-15.
See Exhibits 2, 2G and Table 17 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-5. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

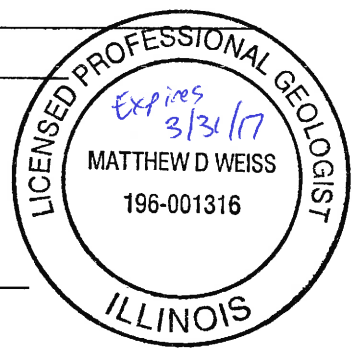
City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

[Signature]

12/11/15
Date:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-15)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 4

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-15-B01 (0-5)	2678-15-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.040	<0.037
Anthracene	mg/kg	0.25	0.4	12000		<0.040	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.025	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.031	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.066	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.025	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.034	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.033	<0.037
Fluoranthene	mg/kg	2.7	4.1	3100		0.049	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		0.023	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		0.015	<0.037
Pyrene	mg/kg	1.9	3.0	2300		0.044	0.0093
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.0	7.4
Barium	mg/kg	---	110	1500		81	37
Cadmium	mg/kg	---	0.6	5.2		0.13	0.16
Chromium, total	mg/kg	---	16.2	21		20	15
Lead	mg/kg	---	36	107		30	14
Mercury	mg/kg	---	0.06	0.1		0.056	0.025
Selenium	mg/kg	---	0.48	1.3		<0.57	<0.54
Silver	mg/kg	---	0.55	4.4		<0.30	<0.29
Antimony	mg/kg	---	4.0	5		<1.2	<1.1
Beryllium	mg/kg	---	0.59	22		0.89	0.65
Calcium	mg/kg	---	9,300	---		3700	62000
Cobalt	mg/kg	---	8.9	20		17	13
Copper	mg/kg	---	19.6	2900		28	21
Cyanide	mg/kg	---	0.51	---		<0.52	<0.58
Iron	mg/kg	---	15,900	15000		24000	18000
Magnesium	mg/kg	---	4,820	325000		6000	23000
Manganese	mg/kg	---	636	630		280	330
Nickel	mg/kg	---	18	100		45	33
Potassium	mg/kg	---	1,268	---		1400	1900
Sodium	mg/kg	---	130	---		2400	970
Thallium	mg/kg	---	0.32	2.6		<0.59	<0.57
Vanadium	mg/kg	---	25.2	550		21	17
Zinc	mg/kg	---	95	5100		67	57
pH			6.25	9		7.89	7.71
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.078	<0.050
Barium,SPLP	mg/L	---	---	---		0.73	0.21
Beryllium,SPLP	mg/L	---	---	---		0.0085	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		26	52
Chromium,SPLP	mg/L	---	---	---		0.2	0.018
Cobalt,SPLP	mg/L	---	---	---		0.087	<0.025
Copper,SPLP	mg/L	---	---	---		0.23	0.026
Iron,SPLP	mg/L	---	---	---		210	12

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-15)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-15-B01 (0-5)	2678-15-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Lead,SPLP	mg/L	---	---	---		0.31	0.013
Magnesium,SPLP	mg/L	---	---	---		37	18
Manganese,SPLP	mg/L	---	---	---		2	0.18
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.25	0.019
Potassium,SPLP	mg/L	---	---	---		31	7.1
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0051	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.27	0.022
Zinc,SPLP	mg/L	---	---	---		0.54	0.76
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.37	0.3
Cadmium,TCLP	mg/L	---	---	---		<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		0.011	<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	---	---	---		210	490
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.018	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.22	<0.20
Magnesium,TCLP	mg/L	---	---	---		99	33
Manganese,TCLP	mg/L	---	---	---		3.6	0.86
Nickel,TCLP	mg/L	---	---	---		0.011	<0.025
Potassium,TCLP	mg/L	---	---	---		3	4.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.12	0.18

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-15)

Schaumburg, IL

Terracon Project No. 11157103

Page 3 of 4

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-15-B01 (10-15)	2678-15-B01 (15-21)
				CCDD	Sample Depth (feet)	(10-15)	(15-21)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		0.0087	0.011
Anthracene	mg/kg	0.25	0.4	12000		<0.038	0.012
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.011	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.037
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.032
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		0.063	0.084
Pyrene	mg/kg	1.9	3.0	2300		0.022	0.012
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		5	8.1
Barium	mg/kg	---	110	1500		22	23
Cadmium	mg/kg	---	0.6	5.2		0.12	0.15
Chromium, total	mg/kg	---	16.2	21		14	14
Lead	mg/kg	---	36	107		8.8	11
Mercury	mg/kg	---	0.06	0.1		0.027	0.029
Selenium	mg/kg	---	0.48	1.3		<0.55	<0.56
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		0.33	0.25
Beryllium	mg/kg	---	0.59	22		0.48	0.49
Calcium	mg/kg	---	9,300	---		42000	43000
Cobalt	mg/kg	---	8.9	20		8.1	9.6
Copper	mg/kg	---	19.6	2900		21	26
Cyanide	mg/kg	---	0.51	---		<0.53	<0.55
Iron	mg/kg	---	15,900	15000		15000	17000
Magnesium	mg/kg	---	4,820	325000		24000	25000
Manganese	mg/kg	---	636	630		320	350
Nickel	mg/kg	---	18	100		21	24
Potassium	mg/kg	---	1,268	---		2800	2800
Sodium	mg/kg	---	130	---		730	470
Thallium	mg/kg	---	0.32	2.6		0.54	0.93
Vanadium	mg/kg	---	25.2	550		15	15
Zinc	mg/kg	---	95	5100		34	43
pH			6.25	9		7.49	7.67
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	<0.050
Barium,SPLP	mg/L	---	---	---		0.084	0.1
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		21	25
Chromium,SPLP	mg/L	---	---	---		<0.025	<0.025
Cobalt,SPLP	mg/L	---	---	---		<0.025	<0.025
Copper,SPLP	mg/L	---	---	---		0.013	0.019
Iron,SPLP	mg/L	---	---	---		3.6	2.8

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-15)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-15-B01 (10-15)	2678-15-B01 (15-21)
				CCDD	Sample Depth (feet)	(10-15)	(15-21)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Lead,SPLP	mg/L	---	---	---		<0.0075	0.0076
Magnesium,SPLP	mg/L	---	---	---		6.9	7.9
Manganese,SPLP	mg/L	---	---	---		0.087	0.057
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	<0.025
Potassium,SPLP	mg/L	---	---	---		4	4
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		<0.025	<0.025
Zinc,SPLP	mg/L	---	---	---		0.097	0.5
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.33	0.43
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	---	---	---		460	450
Cobalt,TCLP	mg/L	---	---	---		0.02	0.022
Copper,TCLP	mg/L	---	---	---		<0.025	0.018
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.25	<0.20
Magnesium,TCLP	mg/L	---	---	---		30	38
Manganese,TCLP	mg/L	---	---	---		1.9	2
Nickel,TCLP	mg/L	---	---	---		0.049	0.046
Potassium,TCLP	mg/L	---	---	---		10	11
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.056	0.1

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: 500-103025-5

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:

11/5/2015 7:09:59 PM

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Designee for

Richard Wright, Senior Project Manager

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richard.wright@testamericainc.com

LINKS

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

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Job ID: 500-103025-5

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-5

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was 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: The following samples contained one base/neutral surrogates outside acceptance limits: (500-103025-F-22-C MS) and (500-103025-F-22-D MS). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: (500-103025-F-1-A), (500-103025-F-1-B MS) and (500-103025-F-1-C MSD). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 500-310195 and analytical batch 500-310346 contained Calcium and Lead above the reporting limit (RL). Associated samples 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 B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-15-B01 (0-5) (500-103025-21), 2678-15-B01 (5-10) (500-103025-22), 2678-15-B01 (10-15) (500-103025-23) and 2678-15-B01 (15-21) (500-103025-24) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.025	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.031	J	0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.066		0.040	0.0087	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.025	J	0.040	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.034	J	0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.033	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.049		0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.023	J	0.040	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.015	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.044		0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Arsenic	9.0		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	81		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.89		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	20		0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	17		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	24000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	30		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	3700		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	280		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	45		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	67		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	1400		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	2400		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	210		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.22		0.20	0.20	mg/L	1		6010B	TCLP
Lead	0.011		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	99		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	3.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.0	F1	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.12	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.078		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.73	B	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0085		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	26	B F1	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.087		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.23		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	210		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.31	F1	0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	37	B F1	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.0	F1	0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	31	B	2.5	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5) (Continued)

Lab Sample ID: 500-103025-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.54	B F1	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0051		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.056		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	7.89		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.0093	J F1	0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.4		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.54	0.099	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	21		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000	B	110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	330		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1900		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	970		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	490		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	33		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.86		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.18	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.21	J B	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	52	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	12		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.013		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	18	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	7.1	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.76	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.025		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	7.71		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15) (Continued)

Lab Sample ID: 500-103025-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0087	J	0.038	0.0068	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.011	J	0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.063		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.022	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.33	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.0		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	22		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.48		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	14		0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.1		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	21		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	15000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	8.8		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	320		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	21		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.54	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	34		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2800		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	730		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	460		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.25		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	30		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.049		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.056	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.084	J B	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	21	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	3.6		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.9	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.087		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.0	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.097	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.027		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	7.49		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.011	J	0.037	0.0066	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.012	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.032	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.013	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21) (Continued)

Lab Sample ID: 500-103025-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.084		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.25	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.1		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	23		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.49		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	14		0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.6		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	43000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	350		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	24		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.93		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	43		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2800		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	470		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	38		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.046		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	11		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.10	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.10	J B	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	25	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	2.8		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0076		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	7.9	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.057		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.0	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.50	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.017	0.0058	mg/Kg	1	☼	7471B	Total/NA
pH	7.67		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-21	2678-15-B01 (0-5)	Solid	10/23/15 09:10	10/24/15 08:50
500-103025-22	2678-15-B01 (5-10)	Solid	10/23/15 09:15	10/24/15 08:50
500-103025-23	2678-15-B01 (10-15)	Solid	10/23/15 09:30	10/24/15 08:50
500-103025-24	2678-15-B01 (15-21)	Solid	10/23/15 10:40	10/24/15 08:50

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Date Collected: 10/23/15 09:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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	☼	10/24/15 13:20	10/27/15 19:30	1
Benzene	<0.0040		0.0040	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Bromodichloromethane	<0.0040		0.0040	0.00067	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Bromoform	<0.0040		0.0040	0.00081	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Carbon tetrachloride	<0.0040		0.0040	0.00085	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Chloroethane	<0.0040	*	0.0040	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00081	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
cis-1,3-Dichloropropene	<0.0040		0.0040	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,1-Dichloroethene	<0.0040		0.0040	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,3-Dichloropropane, Total	<0.0040		0.0040	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Styrene	<0.0040		0.0040	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00063	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
trans-1,3-Dichloropropene	<0.0040		0.0040	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	10/24/15 13:20	10/27/15 19:30	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/27/15 19:30	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	10/24/15 13:20	10/27/15 19:30	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 19:30	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	☼	10/28/15 07:26	11/02/15 17:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Benzo[a]anthracene	0.025	J	0.040	0.0054	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Date Collected: 10/23/15 09:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.031	J	0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Benzo[b]fluoranthene	0.066		0.040	0.0087	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Benzo[g,h,i]perylene	0.025	J	0.040	0.013	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Benzo[k]fluoranthene	0.034	J	0.040	0.012	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Chrysene	0.033	J	0.040	0.011	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Fluoranthene	0.049		0.040	0.0075	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Indeno[1,2,3-cd]pyrene	0.023	J	0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Date Collected: 10/23/15 09:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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	0.38	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Phenanthrene	0.015	J	0.040	0.0056	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
Pyrene	0.044		0.040	0.0080	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:26	11/02/15 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		25 - 119	10/28/15 07:26	11/02/15 17:55	1
2-Fluorophenol	99		25 - 110	10/28/15 07:26	11/02/15 17:55	1
Nitrobenzene-d5	103		25 - 115	10/28/15 07:26	11/02/15 17:55	1
Phenol-d5	74		31 - 110	10/28/15 07:26	11/02/15 17:55	1
Terphenyl-d14	115		36 - 134	10/28/15 07:26	11/02/15 17:55	1
2,4,6-Tribromophenol	52		35 - 137	10/28/15 07:26	11/02/15 17:55	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	☼	10/29/15 09:29	10/29/15 20:05	1
Arsenic	9.0		0.59	0.27	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Barium	81		0.57	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 02:05	1
Beryllium	0.89		0.24	0.051	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Cadmium	0.13		0.12	0.034	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Chromium	20		0.59	0.10	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Cobalt	17		0.30	0.067	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Copper	28		0.59	0.13	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Iron	24000		12	4.6	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Lead	30		0.30	0.15	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Magnesium	6000		5.9	2.4	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Calcium	3700		12	3.8	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Manganese	280		0.59	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Nickel	45		0.59	0.16	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:05	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Vanadium	21		0.30	0.087	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Zinc	67		1.2	0.38	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Potassium	1400		30	4.8	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	1
Sodium	2400		59	7.8	mg/Kg	☼	10/29/15 09:29	10/29/15 20:05	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		10/29/15 11:00	10/30/15 06:16	1
Barium	0.37	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 06:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 06:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 06:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Date Collected: 10/23/15 09:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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		10/29/15 11:00	10/30/15 06:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Copper	0.018	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Iron	0.22		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 06:16	1
Lead	0.011		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 06:16	1
Magnesium	99		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 06:16	1
Manganese	3.6		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Nickel	0.011	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Potassium	3.0	F1	2.5	0.50	mg/L		10/29/15 11:00	10/30/15 06:16	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 06:16	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:16	1
Zinc	0.12	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.078		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Barium	0.73	B	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 21:55	1
Beryllium	0.0085		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 21:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 21:55	1
Calcium	26	B F1	5.0	0.50	mg/L		10/30/15 11:00	10/30/15 21:55	1
Chromium	0.20		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Cobalt	0.087		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Copper	0.23		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Iron	210		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 21:55	1
Lead	0.31	F1	0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 21:55	1
Magnesium	37	B F1	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 21:55	1
Manganese	2.0	F1	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Nickel	0.25		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Potassium	31	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 21:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 21:55	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Vanadium	0.27		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 21:55	1
Zinc	0.54	B F1	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 21:55	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		10/29/15 11:00	11/04/15 16:34	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:34	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^ F1	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 18:57	1
Thallium	0.0051		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (0-5)

Lab Sample ID: 500-103025-21

Date Collected: 10/23/15 09:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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		10/29/15 17:00	10/30/15 12:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	10/29/15 15:30	10/29/15 20:04	1
pH	7.89		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Date Collected: 10/23/15 09:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Benzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Bromoform	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,1-Dichloroethane	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1
Xylenes, Total	<0.0095		0.0095	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/27/15 19:54	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/27/15 19:54	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/27/15 19:54	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/27/15 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Date Collected: 10/23/15 09:15

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.037		0.037	0.0073	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Benzo[b]fluoranthene	<0.037	F1	0.037	0.0081	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Bis(2-chloroethyl)ether	<0.19	F1	0.19	0.056	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Butyl benzyl phthalate	<0.19	F1	0.19	0.072	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4-Chloro-3-methylphenol	<0.37	F2	0.37	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4-Dinitrophenol	<0.76	F1	0.76	0.66	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Methylnaphthalene	<0.037	F1	0.037	0.0069	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
3-Nitroaniline	<0.37	F1	0.37	0.12	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
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TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Date Collected: 10/23/15 09:15

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.76		0.76	0.36	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Pentachlorophenol	<0.76	F1	0.76	0.60	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
Pyrene	0.0093	J F1	0.037	0.0075	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1
2,4,6-Trichlorophenol	<0.37	F2	0.37	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	10/29/15 07:15	10/30/15 22:59	1
2-Fluorophenol	96		25 - 110	10/29/15 07:15	10/30/15 22:59	1
Nitrobenzene-d5	87		25 - 115	10/29/15 07:15	10/30/15 22:59	1
Phenol-d5	78		31 - 110	10/29/15 07:15	10/30/15 22:59	1
Terphenyl-d14	126		36 - 134	10/29/15 07:15	10/30/15 22:59	1
2,4,6-Tribromophenol	96		35 - 137	10/29/15 07:15	10/30/15 22:59	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	☼	10/29/15 09:29	10/29/15 20:10	1
Arsenic	7.4		0.57	0.26	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Barium	37		0.54	0.099	mg/Kg	☼	10/30/15 13:30	10/31/15 02:12	1
Beryllium	0.65		0.23	0.050	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Cadmium	0.16		0.11	0.033	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Chromium	15		0.57	0.098	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Copper	21		0.57	0.12	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Iron	18000		11	4.4	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Lead	14		0.29	0.14	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Magnesium	23000		5.7	2.3	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Calcium	62000	B	110	37	mg/Kg	☼	10/29/15 09:29	10/30/15 15:21	10
Manganese	330		0.57	0.11	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Nickel	33		0.57	0.16	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Selenium	<0.54		0.54	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 02:12	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Vanadium	17		0.29	0.084	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Zinc	57		1.1	0.36	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Potassium	1900		29	4.7	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	1
Sodium	970		57	7.6	mg/Kg	☼	10/29/15 09:29	10/29/15 20:10	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		10/29/15 11:00	10/30/15 06:59	1
Barium	0.30	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 06:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 06:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 06:59	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Date Collected: 10/23/15 09:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 06:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 06:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 06:59	1
Magnesium	33		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 06:59	1
Manganese	0.86		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Potassium	4.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 06:59	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 06:59	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 06:59	1
Zinc	0.18	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 06:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Barium	0.21	J B	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 22:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 22:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 22:22	1
Calcium	52	B	5.0	0.50	mg/L		10/30/15 11:00	10/30/15 22:22	1
Chromium	0.018	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Copper	0.026		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Iron	12		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 22:22	1
Lead	0.013		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 22:22	1
Magnesium	18	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:22	1
Manganese	0.18		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Nickel	0.019	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Potassium	7.1	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 22:22	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Vanadium	0.022	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:22	1
Zinc	0.76	B	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 22:22	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		10/29/15 11:00	11/04/15 16:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:37	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:00	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (5-10)

Lab Sample ID: 500-103025-22

Date Collected: 10/23/15 09:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.3

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		10/29/15 17:00	10/30/15 12:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0066	mg/Kg	☼	10/28/15 16:15	10/29/15 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:05	1
pH	7.71		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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	☼	10/24/15 13:20	10/27/15 20:18	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/24/15 13:20	10/27/15 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/24/15 13:20	10/27/15 20:18	1
Dibromofluoromethane	109		75 - 120	10/24/15 13:20	10/27/15 20:18	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/27/15 20:18	1
Toluene-d8 (Surr)	99		75 - 122	10/24/15 13:20	10/27/15 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0087	J	0.038	0.0068	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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	0.0073	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Benzo[b]fluoranthene	0.011	J	0.038	0.0082	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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	☼	10/29/15 07:15	10/30/15 23:25	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Phenanthrene	0.063		0.038	0.0053	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
Pyrene	0.022	J	0.038	0.0075	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		25 - 119	10/29/15 07:15	10/30/15 23:25	1
2-Fluorophenol	101		25 - 110	10/29/15 07:15	10/30/15 23:25	1
Nitrobenzene-d5	91		25 - 115	10/29/15 07:15	10/30/15 23:25	1
Phenol-d5	90		31 - 110	10/29/15 07:15	10/30/15 23:25	1
Terphenyl-d14	131		36 - 134	10/29/15 07:15	10/30/15 23:25	1
2,4,6-Tribromophenol	86		35 - 137	10/29/15 07:15	10/30/15 23:25	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	☼	10/30/15 13:30	10/31/15 02:19	1
Arsenic	5.0		0.55	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Barium	22		0.55	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Beryllium	0.48		0.22	0.048	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Cadmium	0.12		0.11	0.032	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Chromium	14		0.55	0.095	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Cobalt	8.1		0.28	0.063	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Copper	21		0.55	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Iron	15000		11	4.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Lead	8.8		0.28	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Magnesium	24000		5.5	2.2	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Calcium	42000		11	3.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Manganese	320		0.55	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Nickel	21		0.55	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Thallium	0.54	J	0.55	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Vanadium	15		0.28	0.081	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Zinc	34		1.1	0.35	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Potassium	2800		28	4.5	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1
Sodium	730		55	7.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Barium	0.33	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:06	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	460		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 07:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Iron	0.25		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:06	1
Magnesium	30		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:06	1
Manganese	1.9		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Nickel	0.049		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Potassium	10		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:06	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:06	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:06	1
Zinc	0.056	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Barium	0.084	J B	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 22:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 22:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 22:29	1
Calcium	21	B	5.0	0.50	mg/L		10/30/15 11:00	10/30/15 22:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Copper	0.013	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Iron	3.6		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 22:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 22:29	1
Magnesium	6.9	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:29	1
Manganese	0.087		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Potassium	4.0	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 22:29	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:29	1
Zinc	0.097	J B	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 22:29	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		10/29/15 11:00	11/04/15 16:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:38	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:01	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:19	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (10-15)

Lab Sample ID: 500-103025-23

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.7

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		10/29/15 17:00	10/30/15 12:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0068	mg/Kg	☼	10/28/15 16:15	10/29/15 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	10/29/15 15:30	10/29/15 20:05	1
pH	7.49		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Date Collected: 10/23/15 10:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0034	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Benzene	<0.0044		0.0044	0.00097	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Bromodichloromethane	<0.0044		0.0044	0.00074	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Bromoform	<0.0044		0.0044	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Carbon tetrachloride	<0.0044		0.0044	0.00093	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Chloroethane	<0.0044	*	0.0044	0.0018	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Chloroform	<0.0044		0.0044	0.00085	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Chloromethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00089	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.00099	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Dibromochloromethane	<0.0044		0.0044	0.00050	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,1-Dichloroethane	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,2-Dichloroethane	<0.0044		0.0044	0.00065	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,2-Dichloropropane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00069	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Tetrachloroethene	<0.0044		0.0044	0.00091	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00084	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Vinyl chloride	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1
Xylenes, Total	<0.0087		0.0087	0.0016	mg/Kg	☼	10/24/15 13:20	10/27/15 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/24/15 13:20	10/27/15 20:42	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/27/15 20:42	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	10/24/15 13:20	10/27/15 20:42	1
Toluene-d8 (Surr)	99		75 - 122	10/24/15 13:20	10/27/15 20:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.011	J	0.037	0.0066	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Anthracene	0.012	J	0.037	0.0062	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Date Collected: 10/23/15 10:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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	☼	10/29/15 07:15	10/30/15 23:51	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Chrysene	0.032	J	0.037	0.010	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Fluoranthene	<0.037		0.037	0.0068	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0096	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Methylnaphthalene	0.013	J	0.037	0.0068	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Date Collected: 10/23/15 10:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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	☼	10/29/15 07:15	10/30/15 23:51	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Phenanthrene	0.084		0.037	0.0051	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Pyrene	0.012	J	0.037	0.0073	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:15	10/30/15 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119				10/29/15 07:15	10/30/15 23:51	1
2-Fluorophenol	90		25 - 110				10/29/15 07:15	10/30/15 23:51	1
Nitrobenzene-d5	93		25 - 115				10/29/15 07:15	10/30/15 23:51	1
Phenol-d5	77		31 - 110				10/29/15 07:15	10/30/15 23:51	1
Terphenyl-d14	122		36 - 134				10/29/15 07:15	10/30/15 23:51	1
2,4,6-Tribromophenol	92		35 - 137				10/29/15 07:15	10/30/15 23:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.1	0.23	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Arsenic	8.1		0.56	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Barium	23		0.56	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Beryllium	0.49		0.22	0.048	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Cadmium	0.15		0.11	0.032	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Chromium	14		0.56	0.096	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Cobalt	9.6		0.28	0.063	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Copper	26		0.56	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Iron	17000		11	4.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Lead	11		0.28	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Calcium	43000		11	3.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Manganese	350		0.56	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Nickel	24		0.56	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Thallium	0.93		0.56	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Vanadium	15		0.28	0.082	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Zinc	43		1.1	0.35	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Potassium	2800		28	4.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	1
Sodium	470		56	7.4	mg/Kg	☼	10/30/15 13:30	10/31/15 02:25	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		10/29/15 11:00	10/30/15 07:13	1
Barium	0.43	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Date Collected: 10/23/15 10:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 07:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Copper	0.018	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:13	1
Magnesium	38		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:13	1
Manganese	2.0		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Nickel	0.046		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Potassium	11		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:13	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:13	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:13	1
Zinc	0.10	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Barium	0.10	J B	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 22:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 22:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 22:35	1
Calcium	25	B	5.0	0.50	mg/L		10/30/15 11:00	10/30/15 22:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Copper	0.019	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Iron	2.8		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 22:35	1
Lead	0.0076		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 22:35	1
Magnesium	7.9	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:35	1
Manganese	0.057		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Potassium	4.0	B	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 22:35	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:35	1
Zinc	0.50	B	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 22:35	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		10/29/15 11:00	11/04/15 16:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:39	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:02	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

Client Sample ID: 2678-15-B01 (15-21)

Lab Sample ID: 500-103025-24

Date Collected: 10/23/15 10:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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		10/29/15 17:00	10/30/15 12:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0058	mg/Kg	☼	10/28/15 16:15	10/29/15 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/29/15 15:30	10/29/15 20:05	1
pH	7.67		0.200	0.200	SU			10/30/15 14:50	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

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.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-5

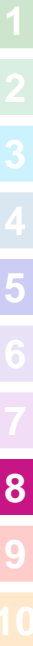
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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

Report To: Matt Weiss (optional)
 Contact: Terracon
 Company: _____
 Address: _____
 Address: _____
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: _____

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

Chain of Custody Record

Lab Job #: 500-103025

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM										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		# of Containers	Matrix	VOLs	SYOLs	Total 24 Inorganics	PH	TCLP 24 Inorganics	SPLP 24 Inorganics							Comments
			Date	Time															
21		2678-15B01 (10-5)	10/23/15	910	5	S	X	X	X	X	X	X							
22		2678-15B01 (5-10)		915	5	S	X	X	X	X	X	X							
23		2678-15B01 (10-15)		930	5	S	X	X	X	X	X	X							
24		2678-15B01 (15-21)		1040	5	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

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: <u>Matt Weiss</u> Company: <u>Terracon</u> Date: <u>10/23/15</u> Time: <u>1702</u>	Received By: <u>Paul Kulepov</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>
Relinquished By: <u>Paul Kulepov</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By: <u>Shawn Leach</u> Company: <u>TA-CHE</u> Date: <u>10/23/15</u> Time: <u>0850</u>

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments:
Meet IL TACO requirements
No Aluminum

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-5

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Eastbound)-East of N. Martingale Rd and Higgins Rd IDOT STA 136+60 to 145+00 (ISGS Site 2678-19)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03799 Longitude: -88.03895

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03799 Longitude: -88.03895

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, B06, B08, B09, B10, and B12 were sampled adjacent to ISGS Site No 2678-19. See Exhibits 2, 3, 4, 2G, 2H, 3A, 4A, and 4B and Table 19 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J103025-6. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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.

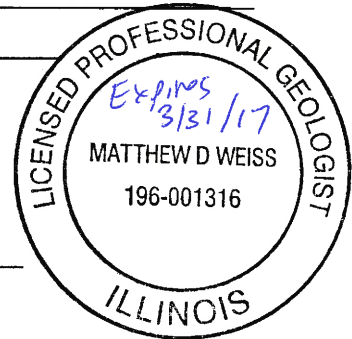
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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:

[Signature]

12/11/15
 Date:



Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 14

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B03 (0-5)	2678-19-B03 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		0.022	<0.020
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.040	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.040	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.040	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.040	<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.040	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.040	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.040	0.021
Fluoranthene	mg/kg	2.7	4.1	3100		<0.040	<0.039
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.040	<0.039
Naphthalene	mg/kg	0.04	0.2	1.8		<0.040	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.040	<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.040	0.021
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.040	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	4.7
Barium	mg/kg	---	110	1500		59	47
Cadmium	mg/kg	---	0.6	5.2		<0.12	0.16
Chromium, total	mg/kg	---	16.2	21		21	16
Lead	mg/kg	---	36	107		17	10
Mercury	mg/kg	---	0.06	0.1		0.034	0.029
Selenium	mg/kg	---	0.48	1.3		0.48	<0.58
Silver	mg/kg	---	0.55	4.4		<0.30	<0.29
Antimony	mg/kg	---	4.0	5		0.44	0.38
Beryllium	mg/kg	---	0.59	22		0.77	0.53
Calcium	mg/kg	---	9,300	---		1600	41000
Cobalt	mg/kg	---	8.9	20		13	5.2
Copper	mg/kg	---	19.6	2900		29	22
Cyanide	mg/kg	---	0.51	---		<0.59	<0.59
Iron	mg/kg	---	15,900	15000		24000	15000
Magnesium	mg/kg	---	4,820	325000		4100	23000
Manganese	mg/kg	---	636	630		160	220
Nickel	mg/kg	---	18	100		31	20
Potassium	mg/kg	---	1,268	---		2000	2800
Sodium	mg/kg	---	130	---		1000	420
Thallium	mg/kg	---	0.32	2.6		0.76	0.91
Vanadium	mg/kg	---	25.2	550		26	16
Zinc	mg/kg	---	95	5100		52	41
pH			6.25	9		7.65	7.65
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	<0.050
Barium,SPLP	mg/L	---	---	---		0.38	0.07
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		24	13
Chromium,SPLP	mg/L	---	---	---		0.021	<0.025
Cobalt,SPLP	mg/L	---	---	---		<0.025	<0.025
Copper,SPLP	mg/L	---	---	---		0.052	0.011
Iron,SPLP	mg/L	---	---	---		18	0.42
Lead,SPLP	mg/L	---	---	---		0.043	<0.0075
Magnesium,SPLP	mg/L	---	---	---		8.8	4
Manganese,SPLP	mg/L	---	---	---		0.26	<0.025
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.026	<0.025
Potassium,SPLP	mg/L	---	---	---		5.9	1.6

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B03 (0-5)	2678-19-B03 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.035	<0.025
Zinc,SPLP	mg/L	---	---	---		0.3	0.11
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.49	0.33
Cadmium,TCLP	mg/L	---	---	---		<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		0.014	<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	---	---	---		110	490
Cobalt,TCLP	mg/L	---	---	---		0.023	<0.025
Copper,TCLP	mg/L	---	---	---		0.016	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		1.7	<0.20
Magnesium,TCLP	mg/L	---	---	---		39	40
Manganese,TCLP	mg/L	---	---	---		5.8	0.76
Nickel,TCLP	mg/L	---	---	---		0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		4.6	4.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.21	0.097

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B03 (10-15)	2678-19-B06 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	0.045
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.038	<0.041
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.041
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.041
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.041
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.041
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.041
Chrysene	mg/kg	1.2	2.7	88		0.02	<0.041
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.041
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.041
Naphthalene	mg/kg	0.04	0.2	1.8		<0.038	<0.041
Phenanthrene	mg/kg	1.3	2.5	210		0.021	<0.041
Pyrene	mg/kg	1.9	3.0	2300		0.021	<0.041
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.041
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.8	8
Barium	mg/kg	---	110	1500		29	87
Cadmium	mg/kg	---	0.6	5.2		0.071	0.16
Chromium, total	mg/kg	---	16.2	21		14	16
Lead	mg/kg	---	36	107		16	23
Mercury	mg/kg	---	0.06	0.1		0.035	0.043
Selenium	mg/kg	---	0.48	1.3		0.39	0.45
Silver	mg/kg	---	0.55	4.4		<0.28	<0.31
Antimony	mg/kg	---	4.0	5		0.48	<1.2
Beryllium	mg/kg	---	0.59	22		0.63	0.78
Calcium	mg/kg	---	9,300	---		76000	9800
Cobalt	mg/kg	---	8.9	20		12	13
Copper	mg/kg	---	19.6	2900		26	26
Cyanide	mg/kg	---	0.51	---		<0.59	<0.61
Iron	mg/kg	---	15,900	15000		19000	19000
Magnesium	mg/kg	---	4,820	325000		25000	6900
Manganese	mg/kg	---	636	630		300	310
Nickel	mg/kg	---	18	100		33	30
Potassium	mg/kg	---	1,268	---		2000	1200
Sodium	mg/kg	---	130	---		350	280
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.62
Vanadium	mg/kg	---	25.2	550		16	26
Zinc	mg/kg	---	95	5100		58	66
pH			6.25	9		7.78	7.82
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	<0.050
Barium,SPLP	mg/L	---	---	---		0.05	0.37
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		8.7	21
Chromium,SPLP	mg/L	---	---	---		0.013	0.057
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.018
Copper,SPLP	mg/L	---	---	---		0.013	0.067
Iron,SPLP	mg/L	---	---	---		9.3	53
Lead,SPLP	mg/L	---	---	---		0.0076	0.034
Magnesium,SPLP	mg/L	---	---	---		4.7	14
Manganese,SPLP	mg/L	---	---	---		0.059	0.92
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.014	0.055
Potassium,SPLP	mg/L	---	---	---		4.5	7.9

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B03 (10-15)	2678-19-B06 (0-5)
				CCDD	Sample Depth (feet)	(10-15)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.016	0.079
Zinc,SPLP	mg/L	---	---	---		0.34	0.59
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.33	0.51
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	---	---	---		480	160
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.024
Copper,TCLP	mg/L	---	---	---		0.011	0.01
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		41	65
Manganese,TCLP	mg/L	---	---	---		1.3	8.2
Nickel,TCLP	mg/L	---	---	---		<0.025	0.013
Potassium,TCLP	mg/L	---	---	---		6.8	4.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.24	0.24

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B06 (5-10)	2678-19-B06 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.018
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.039	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.039	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.039	<0.038
Naphthalene	mg/kg	0.04	0.2	1.8		<0.039	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.039	0.07
Pyrene	mg/kg	1.9	3.0	2300		<0.039	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039	0.041
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.5	6
Barium	mg/kg	---	110	1500		29	30
Cadmium	mg/kg	---	0.6	5.2		0.12	0.11
Chromium, total	mg/kg	---	16.2	21		15	15
Lead	mg/kg	---	36	107		14	13
Mercury	mg/kg	---	0.06	0.1		0.034	0.029
Selenium	mg/kg	---	0.48	1.3		0.43	<0.55
Silver	mg/kg	---	0.55	4.4		<0.28	<0.27
Antimony	mg/kg	---	4.0	5		0.4	0.51
Beryllium	mg/kg	---	0.59	22		0.56	0.59
Calcium	mg/kg	---	9,300	---		33000	72000
Cobalt	mg/kg	---	8.9	20		9.4	13
Copper	mg/kg	---	19.6	2900		24	23
Cyanide	mg/kg	---	0.51	---		<0.58	<0.54
Iron	mg/kg	---	15,900	15000		17000	16000
Magnesium	mg/kg	---	4,820	325000		23000	25000
Manganese	mg/kg	---	636	630		220	270
Nickel	mg/kg	---	18	100		30	35
Potassium	mg/kg	---	1,268	---		1700	2100
Sodium	mg/kg	---	130	---		520	220
Thallium	mg/kg	---	0.32	2.6		0.31	0.32
Vanadium	mg/kg	---	25.2	550		15	17
Zinc	mg/kg	---	95	5100		50	53
pH			6.25	9		8.18	7.96
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	<0.050
Barium,SPLP	mg/L	---	---	---		0.13	0.16
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		21	68
Chromium,SPLP	mg/L	---	---	---		0.01	0.014
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.011
Copper,SPLP	mg/L	---	---	---		0.021	0.027
Iron,SPLP	mg/L	---	---	---		4.6	5.9
Lead,SPLP	mg/L	---	---	---		<0.0075	<0.0075
Magnesium,SPLP	mg/L	---	---	---		6.4	13
Manganese,SPLP	mg/L	---	---	---		0.081	0.32
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	0.027
Potassium,SPLP	mg/L	---	---	---		3.2	5.6

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)
Schaumburg, IL
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B06 (5-10)	2678-19-B06 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		<0.025	0.017
Zinc,SPLP	mg/L	---	---	---		0.26	0.81
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.2	0.43
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	---	---	---		240	410
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.024
Copper,TCLP	mg/L	---	---	---		<0.025	0.013
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		110	25
Manganese,TCLP	mg/L	---	---	---		0.9	1.2
Nickel,TCLP	mg/L	---	---	---		<0.025	0.086
Potassium,TCLP	mg/L	---	---	---		3.6	10
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.048	0.44

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B06 (15-21)	2678-19-B08 (0-6)
				CCDD	Sample Depth (feet)	(15-21)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.019
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.038	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	0.015
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	0.019
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	0.014
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	0.02
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.027
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	0.035
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	0.011
Naphthalene	mg/kg	0.04	0.2	1.8		0.032	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.068	0.012
Pyrene	mg/kg	1.9	3.0	2300		<0.038	0.034
2-Methylnaphthalene	mg/kg	---	0.14	---		0.1	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		5.8	9.3
Barium	mg/kg	---	110	1500		34	49
Cadmium	mg/kg	---	0.6	5.2		0.12	0.13
Chromium, total	mg/kg	---	16.2	21		14	15
Lead	mg/kg	---	36	107		13	33
Mercury	mg/kg	---	0.06	0.1		0.029	0.038
Selenium	mg/kg	---	0.48	1.3		0.29	<0.57
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		0.4	0.31
Beryllium	mg/kg	---	0.59	22		0.55	0.64
Calcium	mg/kg	---	9,300	---		84000	20000
Cobalt	mg/kg	---	8.9	20		12	13
Copper	mg/kg	---	19.6	2900		23	27
Cyanide	mg/kg	---	0.51	---		<0.58	<0.57
Iron	mg/kg	---	15,900	15000		16000	19000
Magnesium	mg/kg	---	4,820	325000		28000	12000
Manganese	mg/kg	---	636	630		290	340
Nickel	mg/kg	---	18	100		30	33
Potassium	mg/kg	---	1,268	---		2000	1300
Sodium	mg/kg	---	130	---		160	1500
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.57
Vanadium	mg/kg	---	25.2	550		16	20
Zinc	mg/kg	---	95	5100		51	65
pH			6.25	9		7.99	8.8
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.097
Barium,SPLP	mg/L	---	---	---		0.11	0.53
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0064
Cadmium,SPLP	mg/L	---	---	---		<0.0050	0.0029
Calcium,SPLP	mg/L	---	---	---		24	34
Chromium,SPLP	mg/L	---	---	---		<0.025	0.14
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.083
Copper,SPLP	mg/L	---	---	---		0.019	0.27
Iron,SPLP	mg/L	---	---	---		1.4	190
Lead,SPLP	mg/L	---	---	---		<0.0075	0.43
Magnesium,SPLP	mg/L	---	---	---		6.7	31
Manganese,SPLP	mg/L	---	---	---		0.056	1.8
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	0.26
Potassium,SPLP	mg/L	---	---	---		3.2	20

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B06 (15-21)	2678-19-B08 (0-6)
				CCDD	Sample Depth (feet)	(15-21)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0047
Vanadium,SPLP	mg/L	---	---	---		<0.025	0.2
Zinc,SPLP	mg/L	---	---	---		0.12	0.73
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.54	0.35
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	---	---	---		450	250
Cobalt,TCLP	mg/L	---	---	---		0.017	<0.025
Copper,TCLP	mg/L	---	---	---		0.013	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	0.21
Magnesium,TCLP	mg/L	---	---	---		25	70
Manganese,TCLP	mg/L	---	---	---		1.6	3.6
Nickel,TCLP	mg/L	---	---	---		0.044	0.012
Potassium,TCLP	mg/L	---	---	---		10	3.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.28	0.077

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B09 (0-6)	2678-19-B10 (0-6)
				CCDD	Sample Depth (feet)	(0-6)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	<0.019
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.036	<0.041
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.036	<0.041
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.036	<0.041
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.036	<0.041
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.036	<0.041
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.036	<0.041
Chrysene	mg/kg	1.2	2.7	88		<0.036	<0.041
Fluoranthene	mg/kg	2.7	4.1	3100		<0.036	<0.041
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.036	<0.041
Naphthalene	mg/kg	0.04	0.2	1.8		<0.036	<0.041
Phenanthrene	mg/kg	1.3	2.5	210		<0.036	<0.041
Pyrene	mg/kg	1.9	3.0	2300		<0.036	<0.041
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.036	<0.041
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	11
Barium	mg/kg	---	110	1500		41	35
Cadmium	mg/kg	---	0.6	5.2		0.17	0.094
Chromium, total	mg/kg	---	16.2	21		12	17
Lead	mg/kg	---	36	107		24	22
Mercury	mg/kg	---	0.06	0.1		0.036	0.042
Selenium	mg/kg	---	0.48	1.3		0.51	0.82
Silver	mg/kg	---	0.55	4.4		<0.27	<0.31
Antimony	mg/kg	---	4.0	5		0.24	0.31
Beryllium	mg/kg	---	0.59	22		0.61	0.73
Calcium	mg/kg	---	9,300	---		24000	17000
Cobalt	mg/kg	---	8.9	20		12	16
Copper	mg/kg	---	19.6	2900		27	37
Cyanide	mg/kg	---	0.51	---		<0.58	<0.61
Iron	mg/kg	---	15,900	15000		18000	22000
Magnesium	mg/kg	---	4,820	325000		15000	12000
Manganese	mg/kg	---	636	630		340	380
Nickel	mg/kg	---	18	100		29	120
Potassium	mg/kg	---	1,268	---		1100	1200
Sodium	mg/kg	---	130	---		1200	1300
Thallium	mg/kg	---	0.32	2.6		<0.53	<0.62
Vanadium	mg/kg	---	25.2	550		17	22
Zinc	mg/kg	---	95	5100		67	240
pH			6.25	9		8.44	7.94
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.027	0.063
Barium,SPLP	mg/L	---	---	---		0.26	0.33
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0054
Cadmium,SPLP	mg/L	---	---	---		<0.0050	0.002
Calcium,SPLP	mg/L	---	---	---		28	27
Chromium,SPLP	mg/L	---	---	---		0.051	0.12
Cobalt,SPLP	mg/L	---	---	---		0.016	0.034
Copper,SPLP	mg/L	---	---	---		0.089	0.2
Iron,SPLP	mg/L	---	---	---		59	140
Lead,SPLP	mg/L	---	---	---		0.041	0.073
Magnesium,SPLP	mg/L	---	---	---		15	24
Manganese,SPLP	mg/L	---	---	---		0.48	0.5
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.067	0.17
Potassium,SPLP	mg/L	---	---	---		8.6	13

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B09 (0-6)	2678-19-B10 (0-6)
				CCDD	Sample Depth (feet)	(0-6)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0033
Vanadium,SPLP	mg/L	---	---	---		0.073	0.16
Zinc,SPLP	mg/L	---	---	---		0.49	0.45
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.36	0.26
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	---	---	---		270	210
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.012	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		71	100
Manganese,TCLP	mg/L	---	---	---		1.8	1.2
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.7	3.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.28	0.1

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B10 (0-6) DUP	2678-19-B12 (0-5)
				CCDD	Sample Depth (feet)	(0-6)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.017	<0.021
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.034	0.0085
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.034	0.05
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.034	0.064
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.034	0.12
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		0.028	0.034
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.034	0.044
Chrysene	mg/kg	1.2	2.7	88		<0.034	0.071
Fluoranthene	mg/kg	2.7	4.1	3100		<0.034	0.13
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.034	0.042
Naphthalene	mg/kg	0.04	0.2	1.8		<0.034	<0.041
Phenanthrene	mg/kg	1.3	2.5	210		<0.034	0.044
Pyrene	mg/kg	1.9	3.0	2300		<0.034	0.087
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.034	<0.041
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		12	9.2
Barium	mg/kg	---	110	1500		39	90
Cadmium	mg/kg	---	0.6	5.2		0.25	0.33
Chromium, total	mg/kg	---	16.2	21		8.8	17
Lead	mg/kg	---	36	107		19	49
Mercury	mg/kg	---	0.06	0.1		0.026	0.044
Selenium	mg/kg	---	0.48	1.3		<0.52	0.49
Silver	mg/kg	---	0.55	4.4		<0.26	<0.30
Antimony	mg/kg	---	4.0	5		0.43	<1.2
Beryllium	mg/kg	---	0.59	22		0.43	0.7
Calcium	mg/kg	---	9,300	---		75000	24000
Cobalt	mg/kg	---	8.9	20		12	12
Copper	mg/kg	---	19.6	2900		30	25
Cyanide	mg/kg	---	0.51	---		<0.55	<0.62
Iron	mg/kg	---	15,900	15000		15000	19000
Magnesium	mg/kg	---	4,820	325000		32000	14000
Manganese	mg/kg	---	636	630		470	380
Nickel	mg/kg	---	18	100		28	29
Potassium	mg/kg	---	1,268	---		1100	1800
Sodium	mg/kg	---	130	---		630	1500
Thallium	mg/kg	---	0.32	2.6		<0.52	<0.61
Vanadium	mg/kg	---	25.2	550		13	23
Zinc	mg/kg	---	95	5100		130	81
pH			6.25	9		8.24	8.59
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.049
Barium,SPLP	mg/L	---	---	---		0.13	0.52
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0047
Cadmium,SPLP	mg/L	---	---	---		<0.0050	0.0025
Calcium,SPLP	mg/L	---	---	---		21	31
Chromium,SPLP	mg/L	---	---	---		<0.025	0.12
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.029
Copper,SPLP	mg/L	---	---	---		0.03	0.14
Iron,SPLP	mg/L	---	---	---		3.6	120
Lead,SPLP	mg/L	---	---	---		<0.0075	0.18
Magnesium,SPLP	mg/L	---	---	---		6.3	21
Manganese,SPLP	mg/L	---	---	---		0.066	0.52
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	0.13
Potassium,SPLP	mg/L	---	---	---		2.1	15

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B10 (0-6) DUP	2678-19-B12 (0-5)
				CCDD	Sample Depth (feet)	(0-6)	(0-5)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0021
Vanadium,SPLP	mg/L	---	---	---		<0.025	0.18
Zinc,SPLP	mg/L	---	---	---		0.31	0.74
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.3	0.3
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	---	---	---		250	200
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.011	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		76	80
Manganese,TCLP	mg/L	---	---	---		0.82	0.23
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.5	3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.17	0.12

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B12 (5-10)	2678-19-B12 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.017	<0.018
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.037	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.038
Chrysene	mg/kg	1.2	2.7	88		0.025	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		0.0095	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.037	<0.038
Naphthalene	mg/kg	0.04	0.2	1.8		0.011	0.022
Phenanthrene	mg/kg	1.3	2.5	210		0.074	0.067
Pyrene	mg/kg	1.9	3.0	2300		0.018	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		0.059	0.079
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.7	7.7
Barium	mg/kg	---	110	1500		36	33
Cadmium	mg/kg	---	0.6	5.2		0.12	0.093
Chromium, total	mg/kg	---	16.2	21		15	15
Lead	mg/kg	---	36	107		15	14
Mercury	mg/kg	---	0.06	0.1		0.029	0.025
Selenium	mg/kg	---	0.48	1.3		0.32	0.62
Silver	mg/kg	---	0.55	4.4		<0.27	<0.28
Antimony	mg/kg	---	4.0	5		0.35	0.32
Beryllium	mg/kg	---	0.59	22		0.61	0.6
Calcium	mg/kg	---	9,300	---		56000	53000
Cobalt	mg/kg	---	8.9	20		15	13
Copper	mg/kg	---	19.6	2900		24	25
Cyanide	mg/kg	---	0.51	---		<0.57	<0.56
Iron	mg/kg	---	15,900	15000		17000	17000
Magnesium	mg/kg	---	4,820	325000		26000	25000
Manganese	mg/kg	---	636	630		320	310
Nickel	mg/kg	---	18	100		35	33
Potassium	mg/kg	---	1,268	---		2400	2300
Sodium	mg/kg	---	130	---		750	180
Thallium	mg/kg	---	0.32	2.6		0.36	0.29
Vanadium	mg/kg	---	25.2	550		16	16
Zinc	mg/kg	---	95	5100		50	60
pH			6.25	9		8.58	8.39
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.018	<0.050
Barium,SPLP	mg/L	---	---	---		0.32	0.14
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		42	27
Chromium,SPLP	mg/L	---	---	---		0.07	0.012
Cobalt,SPLP	mg/L	---	---	---		0.042	<0.025
Copper,SPLP	mg/L	---	---	---		0.097	0.026
Iron,SPLP	mg/L	---	---	---		53	4.2
Lead,SPLP	mg/L	---	---	---		0.0083	<0.0075
Magnesium,SPLP	mg/L	---	---	---		25	7.9
Manganese,SPLP	mg/L	---	---	---		0.47	0.12
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.1	<0.025
Potassium,SPLP	mg/L	---	---	---		17	4.8

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-19)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-19-B12 (5-10)	2678-19-B12 (10-15)
				CCDD	Sample Depth (feet)	(5-10)	(10-15)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/23/2015	10/23/2015
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.073	0.01
Zinc,SPLP	mg/L	---	---	---		0.28	0.14
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.58	0.57
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	---	---	---		400	370
Cobalt,TCLP	mg/L	---	---	---		0.028	0.022
Copper,TCLP	mg/L	---	---	---		0.01	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.21	<0.20
Magnesium,TCLP	mg/L	---	---	---		37	29
Manganese,TCLP	mg/L	---	---	---		1.5	2
Nickel,TCLP	mg/L	---	---	---		0.058	0.05
Potassium,TCLP	mg/L	---	---	---		8	8.8
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.098	0.41

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: 500-103025-6

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

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

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Job ID: 500-103025-6

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-103025-6

Comments

No additional comments.

Receipt

The samples were received on 10/24/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.4° C, 2.7° C, 2.9° C, 3.1° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batches 309783, 309964 and 310173 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for 310806 recovered outside control limits for the following analyte: Vinyl Acetate. This analyte was biased high in the LCS/LCSD and was 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: The laboratory control sample duplicate (LCSD) for batch preparation batch 500-309986 and analytical batch 500-310087 recovered outside control limits for the following analyte: 2-Nitrophenol. This analyte was biased high in the LCSD and was not detected in the associated sample; therefore, the data have been reported.

Method(s) 8270D: The following sample contained one acid surrogate surrogate outside acceptance limits: 2678-19-G01 (500-103025-55). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples contained one base/neutral surrogates outside acceptance limits: 2678-19-B02 (0-5) (500-103025-26), 2678-19-B02 (10-15) (500-103025-29), 2678-19-B03 (0-5) (500-103025-30), 2678-19-B03 (5-10) (500-103025-31) and 2678-19-B03 (10-15) (500-103025-32). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-19-B05 (0-5) (500-103025-36) and 2678-19-B10 (0-6) DUP (500-103025-50). The laboratory's SOP allows one acid and/or one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 blanks (CCB) contained Nickel above the reporting limit (RL). The samples 2678-19-B03 (10-15) (500-103025-32), 2678-19-B04 (0-5) (500-103025-33), 2678-19-B04 (5-10) (500-103025-34), 2678-19-B05 (0-5) (500-103025-36), 2678-19-B05 (5-10) (500-103025-38) and 2678-19-B06 (0-5) (500-103025-40) associated with this CCB did not contain the target compound; therefore, re-analysis of samples was not performed.

Method(s) 6010B: The interference check standard B solution (ICSAB) associated with Analytical batch 500-310405 had results for Selenium above the reporting limit (RL). Associated samples 2678-19-B01 (0-6) (500-103025-25), 2678-19-B02 (0-5) (500-103025-26), 2678-19-B02 (0-5) DUP (500-103025-27), 2678-19-B02 (5-10) (500-103025-28), 2678-19-B02 (10-15) (500-103025-29), 2678-19-B03 (0-5) (500-103025-30), 2678-19-B03 (5-10) (500-103025-31), 2678-19-B03 (10-15) (500-103025-32), 2678-19-B04 (0-5) (500-103025-33), 2678-19-B04 (5-10) (500-103025-34), 2678-19-B04 (10-15) (500-103025-35), 2678-19-B05 (0-5) (500-103025-36),

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Job ID: 500-103025-6 (Continued)

Laboratory: TestAmerica Chicago (Continued)

2678-19-B05 (0-5) DUP (500-103025-37), 2678-19-B05 (5-10) (500-103025-38), 2678-19-B05 (10-15) (500-103025-39) and 2678-19-B06 (0-5) (500-103025-40) were non-detects for Selenium, therefore the data has been reported.

Method(s) 6010B: The continuing calibration verification (CCV) associated with batch 500-310765 recovered above the upper control limit for Zinc. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 2678-19-B10 (0-6) (500-103025-49), 2678-19-B10 (0-6) DUP (500-103025-50), 2678-19-B11 (0-6) (500-103025-51), 2678-19-B12 (5-10) (500-103025-53) and 2678-19-B12 (10-15) (500-103025-54).

Method(s) 6010B: The following samples was diluted due to the abundance of non-target analytes: 2678-19-B08 (0-6) (500-103025-47), 2678-19-B09 (0-6) (500-103025-48), 2678-19-B10 (0-6) (500-103025-49) and 2678-19-B12 (0-5) (500-103025-52). Elevated reporting limits (RLs) are provided.

Method(s) 6020A: The initial calibration verification low-level (ICVL) result for batch 500-311227 was above the upper control limit for Antimony (Sb). Sample results were non-detects, and have been reported as qualified data.

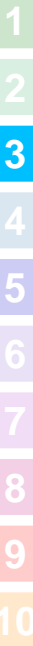
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	0.041		0.022	0.0043	mg/Kg	1		☼	8260B	Total/NA
Antimony	0.45	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	11		0.57	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	68		0.57	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.83		0.23	0.049	mg/Kg	1		☼	6010B	Total/NA
Chromium	22		0.57	0.097	mg/Kg	1		☼	6010B	Total/NA
Cobalt	14		0.28	0.064	mg/Kg	1		☼	6010B	Total/NA
Copper	32		0.57	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	28000		11	4.4	mg/Kg	1		☼	6010B	Total/NA
Lead	18		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	5200		5.7	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	3000		11	3.6	mg/Kg	1		☼	6010B	Total/NA
Manganese	1600		2.8	0.56	mg/Kg	5		☼	6010B	Total/NA
Nickel	33		0.57	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.64		0.57	0.28	mg/Kg	1		☼	6010B	Total/NA
Thallium	2.1		0.57	0.28	mg/Kg	1		☼	6010B	Total/NA
Vanadium	27		0.28	0.083	mg/Kg	1		☼	6010B	Total/NA
Zinc	52		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	2200		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	1400		57	7.5	mg/Kg	1		☼	6010B	Total/NA
Barium	0.49	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	92		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	5.4		0.20	0.20	mg/L	1			6010B	TCLP
Lead	0.018		0.0075	0.0075	mg/L	1			6010B	TCLP
Magnesium	35		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	5.1		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.019	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	5.9		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.10	J	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.010	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.42	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	24		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.025		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.013	J	0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.069		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	28		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.054		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	9.0		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.90		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.035		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	5.9		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.046		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.14	J	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.046		0.018	0.0062	mg/Kg	1		☼	7471B	Total/NA
pH	7.85		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) (Continued)

Lab Sample ID: 500-103025-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.027		0.021	0.0041	mg/Kg	1	☼	8260B	Total/NA
Antimony	0.43	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	63		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.76		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Chromium	20		0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6600		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	6500		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	230		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.75		0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.65		0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	27		0.30	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	49		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	150		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.42		0.20	0.20	mg/L	1		6010B	TCLP
Lead	0.013		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	57		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	6.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.26	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.025		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	11		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.012		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	8.9		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.34		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.7		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.33	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.020	0.0071	mg/Kg	1	☼	7471B	Total/NA
pH	7.70		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.025		0.019	0.0036	mg/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP (Continued)

Lab Sample ID: 500-103025-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.38	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.0		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	45		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.59		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.096	J	0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.3		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	38000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	330		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	24		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.74		0.58	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	37		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	720		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	160		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.40		0.20	0.20	mg/L	1		6010B	TCLP
Lead	0.012		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	66		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.023	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	11		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.013		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	8.4		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.41		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.8		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.021	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.12	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.049		0.020	0.0070	mg/Kg	1	☼	7471B	Total/NA
pH	7.50		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.032		0.019	0.0038	mg/Kg	1	☼	8260B	Total/NA
Pyrene	0.014	J	0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10) (Continued)

Lab Sample ID: 500-103025-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.65	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.9		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	56		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	18		0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.7		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	19		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	10000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	13000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	180		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.75		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.48	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	49		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	240		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.52		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	240		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	3.1		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.20	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.12	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	11		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	9.0		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.014		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	6.4		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.1		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.044	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.033		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
pH	7.32		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B02 (10-15)

Lab Sample ID: 500-103025-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.046		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.025	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	16		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (10-15) (Continued)

Lab Sample ID: 500-103025-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	8.0		0.53	0.097	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.27		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	6.4		0.53	0.091	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.9		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	29		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000		5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	45000		11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	330		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	18		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Silver	0.063	J	0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Vanadium	8.4		0.27	0.077	mg/Kg	1	☼	6010B	Total/NA
Zinc	43		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1300		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	170		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0036	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	280		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.0080		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	140		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.089	J	0.50	0.020	mg/L	1		6010B	TCLP
Calcium	13		5.0	0.50	mg/L	1		6010B	SPLP East
Magnesium	3.0		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	0.93	J	2.5	0.50	mg/L	1		6010B	SPLP East
Mercury	0.028		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.55		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.021	0.0040	mg/Kg	1	☼	8260B	Total/NA
Antimony	0.44	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		0.61	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	59		0.61	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.24	0.053	mg/Kg	1	☼	6010B	Total/NA
Chromium	21		0.61	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.30	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	29		0.61	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	24000		12	4.7	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4100		6.1	2.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	1600		12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	160		0.61	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5) (Continued)

Lab Sample ID: 500-103025-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	31		0.61	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.48	J	0.61	0.30	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.76		0.61	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	26		0.30	0.089	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	1000		61	8.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.49	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	110		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	1.7		0.20	0.20	mg/L	1		6010B	TCLP
Lead	0.014		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	39		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.8		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.025		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.21	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.021	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.052		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	18		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.043		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	8.8		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.9		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.035		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.30	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.020	0.0071	mg/Kg	1	☼	7471B	Total/NA
pH	7.65		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.021	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.021	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.38	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	4.7		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	47		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.53		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	5.2		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	22		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	15000		12	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	10		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	41000		12	3.7	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10) (Continued)

Lab Sample ID: 500-103025-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	220		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	20		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.91		0.58	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	41		1.2	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2800		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	420		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	490		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	40		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.76		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.097	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.070	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	13		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.42		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	4.0		2.5	0.50	mg/L	1		6010B	SPLP East
Potassium	1.6	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.11	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	7.65		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.020	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.021	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.021	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.48	J F1	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.8	F1	0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	29		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.071	J	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	F1 B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	26	F2 F1	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	76000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	300	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.39	J F2 F1	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	58		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	350		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	480		5.0	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15) (Continued)

Lab Sample ID: 500-103025-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	41		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.8		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.24	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.050	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	8.7		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	9.3		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0076		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	4.7		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.5		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.34	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.035		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.78		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.027		0.021	0.0041	mg/Kg	1	☼	8260B	Total/NA
Fluoranthene	0.0077	J	0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
N-Nitrosodi-n-propylamine	0.39		0.20	0.049	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.014	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.27	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.5		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	82		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.82		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	24		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	9300		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	13000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	250	B	0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	62		1.2	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	740		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	290		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5) (Continued)

Lab Sample ID: 500-103025-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	5.5		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.084	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.019	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0040		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	26		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.040		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	94		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.068		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	23		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.93		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	13		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.23	J	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0022		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.041		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.80		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B04 (5-10)

Lab Sample ID: 500-103025-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.87	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.6		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.71		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.051	J	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	31000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	210	B	0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.53	J	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.32	J	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	380		59	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (5-10) (Continued)

Lab Sample ID: 500-103025-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.18	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.12	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	20		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.81		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.8		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.075		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.1	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.42	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
pH	7.75		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.019	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.027	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.045		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.6		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	34		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.59		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	24		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	83000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	330	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.48	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	49		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	200		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	440		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.029		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.079		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.10	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23		5.0	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15) (Continued)

Lab Sample ID: 500-103025-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	2.5		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.9		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.2		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.082	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.030		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	7.77		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.029		0.023	0.0044	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.0058	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.021	J	0.039	0.0086	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.015	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.018	J	0.039	0.0074	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0094	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.024	J	0.039	0.0079	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.27	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	19		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	58000		120	39	mg/Kg	10	☼	6010B	Total/NA
Manganese	370	B	0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	38		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.64		0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.33	J	0.60	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.55		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	300		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	60		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	6.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.019	J ^	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	20		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.036	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	28		5.0	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) (Continued)

Lab Sample ID: 500-103025-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.072		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.043		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	86		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.075		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	17		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.81		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0024		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.033		0.017	0.0060	mg/Kg	1	✱	7471B	Total/NA
pH	8.93		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.016	J	0.020	0.0038	mg/Kg	1	✱	8260B	Total/NA
Benzo[a]anthracene	0.014	J	0.040	0.0054	mg/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	0.016	J	0.040	0.0078	mg/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	0.028	J	0.040	0.0087	mg/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	0.019	J	0.040	0.012	mg/Kg	1	✱	8270D	Total/NA
Chrysene	0.019	J	0.040	0.011	mg/Kg	1	✱	8270D	Total/NA
Fluoranthene	0.029	J	0.040	0.0075	mg/Kg	1	✱	8270D	Total/NA
Phenanthrene	0.014	J	0.040	0.0056	mg/Kg	1	✱	8270D	Total/NA
Pyrene	0.025	J	0.040	0.0080	mg/Kg	1	✱	8270D	Total/NA
Antimony	0.40	J	1.1	0.24	mg/Kg	1	✱	6010B	Total/NA
Arsenic	7.9		0.57	0.27	mg/Kg	1	✱	6010B	Total/NA
Barium	53		0.57	0.11	mg/Kg	1	✱	6010B	Total/NA
Beryllium	0.63		0.23	0.050	mg/Kg	1	✱	6010B	Total/NA
Cadmium	0.17		0.11	0.033	mg/Kg	1	✱	6010B	Total/NA
Chromium	15	B	0.57	0.099	mg/Kg	1	✱	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	✱	6010B	Total/NA
Copper	26		0.57	0.12	mg/Kg	1	✱	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	✱	6010B	Total/NA
Lead	19		0.29	0.14	mg/Kg	1	✱	6010B	Total/NA
Magnesium	21000		5.7	2.3	mg/Kg	1	✱	6010B	Total/NA
Calcium	64000		110	37	mg/Kg	10	✱	6010B	Total/NA
Manganese	500	B	0.57	0.11	mg/Kg	1	✱	6010B	Total/NA
Nickel	30		0.57	0.16	mg/Kg	1	✱	6010B	Total/NA
Selenium	0.43	J	0.57	0.28	mg/Kg	1	✱	6010B	Total/NA
Vanadium	19		0.29	0.084	mg/Kg	1	✱	6010B	Total/NA
Zinc	68		1.1	0.36	mg/Kg	1	✱	6010B	Total/NA
Potassium	1900		29	4.7	mg/Kg	1	✱	6010B	Total/NA
Sodium	1400		57	7.6	mg/Kg	1	✱	6010B	Total/NA
Barium	0.63		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	220		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.033		0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.35		0.20	0.20	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP (Continued)

Lab Sample ID: 500-103025-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	39		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	7.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.027		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	23		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.15	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.047	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.58		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0048		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	32		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	130		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.14		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	24		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.0		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	27		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.40	J	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0027		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.034		0.019	0.0068	mg/Kg	1	*	7471B	Total/NA
pH	8.63		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.45	J	1.2	0.24	mg/Kg	1	*	6010B	Total/NA
Arsenic	10		0.59	0.27	mg/Kg	1	*	6010B	Total/NA
Barium	27		0.59	0.11	mg/Kg	1	*	6010B	Total/NA
Beryllium	0.55		0.23	0.051	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.12		0.12	0.034	mg/Kg	1	*	6010B	Total/NA
Chromium	13	B	0.59	0.10	mg/Kg	1	*	6010B	Total/NA
Cobalt	12		0.29	0.066	mg/Kg	1	*	6010B	Total/NA
Copper	31		0.59	0.13	mg/Kg	1	*	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	*	6010B	Total/NA
Lead	17		0.29	0.15	mg/Kg	1	*	6010B	Total/NA
Magnesium	26000		5.9	2.4	mg/Kg	1	*	6010B	Total/NA
Calcium	58000		120	38	mg/Kg	10	*	6010B	Total/NA
Manganese	320	B	0.59	0.12	mg/Kg	1	*	6010B	Total/NA
Nickel	33		0.59	0.16	mg/Kg	1	*	6010B	Total/NA
Selenium	0.73		0.59	0.29	mg/Kg	1	*	6010B	Total/NA
Vanadium	15		0.29	0.086	mg/Kg	1	*	6010B	Total/NA
Zinc	56		1.2	0.37	mg/Kg	1	*	6010B	Total/NA
Potassium	1600		29	4.8	mg/Kg	1	*	6010B	Total/NA
Sodium	1500		59	7.7	mg/Kg	1	*	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	91		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10) (Continued)

Lab Sample ID: 500-103025-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	14		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.071		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	27		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.080		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.054		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	120		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.078		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.82		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.090		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.65		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0049		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.034		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	9.18		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.022	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.021	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.056		0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.41	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	28		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.55		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	80000		110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	310	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.54	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	54		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	800		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.47	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.038		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	27		2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15) (Continued)

Lab Sample ID: 500-103025-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.11		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	9.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.055	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.22	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	42		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.039		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.045		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	21		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.019		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	16		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.31		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	13		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.044		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.13	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	7.87		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.045		0.021	0.0040	mg/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	0.0029	J	0.0052	0.0018	mg/Kg	1	☼	8260B	Total/NA
Arsenic	8.0		0.62	0.29	mg/Kg	1	☼	6010B	Total/NA
Barium	87		0.62	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.78		0.25	0.054	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.12	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.62	0.11	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.31	0.070	mg/Kg	1	☼	6010B	Total/NA
Copper	26		0.62	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.8	mg/Kg	1	☼	6010B	Total/NA
Lead	23		0.31	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6900		6.2	2.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	9800		12	4.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	310	B	0.62	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.62	0.17	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.45	J	0.62	0.31	mg/Kg	1	☼	6010B	Total/NA
Vanadium	26		0.31	0.091	mg/Kg	1	☼	6010B	Total/NA
Zinc	66		1.2	0.39	mg/Kg	1	☼	6010B	Total/NA
Potassium	1200		31	5.1	mg/Kg	1	☼	6010B	Total/NA
Sodium	280		62	8.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	160		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	65		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	8.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.013	J ^	0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5) (Continued)

Lab Sample ID: 500-103025-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.24	J	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	21		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.057		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.067		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	53		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.034		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	14		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.92		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.055		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	7.9		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.079		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.59		0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.043		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	7.82		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.40	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.5		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	29		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.56		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.4		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	24		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	33000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	220	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.31	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	50		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	520		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	240		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.90		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6	F1	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.048	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.13	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	21		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.010	J	0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10) (Continued)

Lab Sample ID: 500-103025-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Copper	0.021	J	0.025	0.010	mg/L	1			6010B	SPLP East
Iron	4.6		0.20	0.20	mg/L	1			6010B	SPLP East
Magnesium	6.4		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.081		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	3.2		2.5	0.50	mg/L	1			6010B	SPLP East
Zinc	0.26	J	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.034		0.020	0.0069	mg/Kg	1		☼	7471B	Total/NA
pH	8.18		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	0.041		0.038	0.0070	mg/Kg	1		☼	8270D	Total/NA
Phenanthrene	0.070		0.038	0.0053	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.51	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	6.0		0.55	0.25	mg/Kg	1		☼	6010B	Total/NA
Barium	30		0.55	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.59		0.22	0.047	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.11		0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	15	B	0.55	0.094	mg/Kg	1		☼	6010B	Total/NA
Cobalt	13		0.27	0.062	mg/Kg	1		☼	6010B	Total/NA
Copper	23		0.55	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	16000		11	4.2	mg/Kg	1		☼	6010B	Total/NA
Lead	13		0.27	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	25000		5.5	2.2	mg/Kg	1		☼	6010B	Total/NA
Calcium	72000		110	35	mg/Kg	10		☼	6010B	Total/NA
Manganese	270	B	0.55	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	35		0.55	0.15	mg/Kg	1		☼	6010B	Total/NA
Thallium	0.32	J	0.55	0.27	mg/Kg	1		☼	6010B	Total/NA
Vanadium	17		0.27	0.080	mg/Kg	1		☼	6010B	Total/NA
Zinc	53		1.1	0.35	mg/Kg	1		☼	6010B	Total/NA
Potassium	2100		27	4.5	mg/Kg	1		☼	6010B	Total/NA
Sodium	220		55	7.2	mg/Kg	1		☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	410		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.024	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.086		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.44	J B	0.50	0.020	mg/L	1			6010B	TCLP
Barium	0.16	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	68		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.014	J	0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.011	J	0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.027		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	5.9		0.20	0.20	mg/L	1			6010B	SPLP East
Magnesium	13		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.32		0.025	0.010	mg/L	1			6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15) (Continued)

Lab Sample ID: 500-103025-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.6		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.81		0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	7.96		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.10		0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.032	J	0.038	0.0059	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.068		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.40	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.8		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	34		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.55		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	23		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	28000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	84000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	290	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.29	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	160		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.54		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.044		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.28	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.11	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.019	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	1.4		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.7		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.056		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.2		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.12	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21) (Continued)

Lab Sample ID: 500-103025-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.99		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.57	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	23		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	13	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	17		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	31		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	30		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	550	B	0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	41		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.46	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	65		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	720		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	280		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	60		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	6.1		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.14	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.17	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	22		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	3.3		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.3		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.40		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.4	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.46	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.047		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.10		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.054		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.51	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.1		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	23		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10) (Continued)

Lab Sample ID: 500-103025-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Beryllium	0.60		0.22	0.048	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.15		0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1		☼	6010B	Total/NA
Cobalt	16		0.28	0.063	mg/Kg	1		☼	6010B	Total/NA
Copper	25		0.56	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	16000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	26000		5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	70000		110	36	mg/Kg	10		☼	6010B	Total/NA
Manganese	280	B	0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	39		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.32	J	0.56	0.28	mg/Kg	1		☼	6010B	Total/NA
Thallium	0.77		0.56	0.27	mg/Kg	1		☼	6010B	Total/NA
Vanadium	18		0.28	0.081	mg/Kg	1		☼	6010B	Total/NA
Zinc	60		1.1	0.35	mg/Kg	1		☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1		☼	6010B	Total/NA
Sodium	270		56	7.3	mg/Kg	1		☼	6010B	Total/NA
Barium	0.27	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	400		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.053		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	7.6		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.15	J B	0.50	0.020	mg/L	1			6010B	TCLP
Barium	0.065	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	35		5.0	0.50	mg/L	1			6010B	SPLP East
Copper	0.014	J	0.025	0.010	mg/L	1			6010B	SPLP East
Iron	0.25		0.20	0.20	mg/L	1			6010B	SPLP East
Magnesium	10		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.021	J	0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	2.0	J	2.5	0.50	mg/L	1			6010B	SPLP East
Zinc	0.089	J	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.028		0.018	0.0064	mg/Kg	1		☼	7471B	Total/NA
pH	7.73		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	0.027	J	0.039	0.0073	mg/Kg	1		☼	8270D	Total/NA
Phenanthrene	0.075		0.039	0.0055	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.29	J	1.1	0.24	mg/Kg	1		☼	6010B	Total/NA
Arsenic	6.5		0.57	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	36		0.57	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.55		0.23	0.049	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.085	J	0.11	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	15	B	0.57	0.098	mg/Kg	1		☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1		☼	6010B	Total/NA
Copper	24		0.57	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15) (Continued)

Lab Sample ID: 500-103025-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	74000		110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	290	B	0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	140		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.56		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	410		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	23		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.045		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	9.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.33	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.11	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	25		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.71		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.5		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.048		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.8		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.50		0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.020	0.0070	mg/Kg	1	☼	7471B	Total/NA
pH	7.65		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.015	J	0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.019	J	0.038	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.038		0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.014	J	0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.020	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.027	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.035	J	0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.011	J	0.038	0.0098	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.012	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.034	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.31	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.3		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	49		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.64		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6) (Continued)

Lab Sample ID: 500-103025-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Iron	19000		11	4.4	mg/Kg	1		☼	6010B	Total/NA
Lead	33		0.29	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	12000		5.7	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	20000		11	3.7	mg/Kg	1		☼	6010B	Total/NA
Manganese	340	B	0.57	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	33		0.57	0.16	mg/Kg	1		☼	6010B	Total/NA
Vanadium	20		0.29	0.084	mg/Kg	1		☼	6010B	Total/NA
Zinc	65		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	1300		29	4.7	mg/Kg	1		☼	6010B	Total/NA
Sodium	1500		57	7.6	mg/Kg	1		☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1			6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	3.6		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	3.9		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.077	J B	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.097		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.53		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0064		0.0040	0.0040	mg/L	1			6010B	SPLP East
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1			6010B	SPLP East
Calcium	34		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.083		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.27		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	190		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.43		0.038	0.038	mg/L	5			6010B	SPLP East
Magnesium	31		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	1.8		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.26		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	20		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.20		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.73		0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0047		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.038		0.019	0.0068	mg/Kg	1		☼	7471B	Total/NA
pH	8.80		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	0.24	J	1.1	0.22	mg/Kg	1		☼	6010B	Total/NA
Arsenic	10		0.53	0.25	mg/Kg	1		☼	6010B	Total/NA
Barium	41		0.53	0.097	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.61		0.21	0.046	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.17		0.11	0.031	mg/Kg	1		☼	6010B	Total/NA
Chromium	12	B	0.53	0.092	mg/Kg	1		☼	6010B	Total/NA
Cobalt	12		0.27	0.060	mg/Kg	1		☼	6010B	Total/NA
Copper	27		0.53	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	18000		11	4.1	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6) (Continued)

Lab Sample ID: 500-103025-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	24		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000		5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	24000		11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	340	B	0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.51	J	0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	67		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1100		27	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		53	7.0	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	270		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	71		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.28	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.027	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	28		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.089		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	59		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.041		0.038	0.038	mg/L	5		6010B	SPLP East
Magnesium	15		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.48		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.067		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	8.6		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.49	J	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.036		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.44		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.31	J	1.2	0.26	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.62	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.62	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.73		0.25	0.053	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.094	J	0.12	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.62	0.11	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.31	0.070	mg/Kg	1	☼	6010B	Total/NA
Copper	37		0.62	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.7	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.31	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12000		6.2	2.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	17000		12	4.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	380	B	0.62	0.12	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) (Continued)

Lab Sample ID: 500-103025-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Nickel	120		0.62	0.17	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.82		0.62	0.30	mg/Kg	1		☼	6010B	Total/NA
Vanadium	22		0.31	0.090	mg/Kg	1		☼	6010B	Total/NA
Zinc	240		1.2	0.39	mg/Kg	1		☼	6010B	Total/NA
Potassium	1200		31	5.0	mg/Kg	1		☼	6010B	Total/NA
Sodium	1300		62	8.1	mg/Kg	1		☼	6010B	Total/NA
Barium	0.26	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	210		5.0	0.50	mg/L	1			6010B	TCLP
Magnesium	100		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	3.2		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.10	J B	0.50	0.020	mg/L	1			6010B	TCLP
Arsenic	0.063		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.33	J	0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0054		0.0040	0.0040	mg/L	1			6010B	SPLP East
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1			6010B	SPLP East
Calcium	27		5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.12		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.034		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.073		0.038	0.038	mg/L	5			6010B	SPLP East
Magnesium	24		2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.50		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.17		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	13		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.45	J ^	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0033		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.042		0.020	0.0070	mg/Kg	1		☼	7471B	Total/NA
pH	7.94		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.028	J	0.034	0.011	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.43	J	1.0	0.22	mg/Kg	1		☼	6010B	Total/NA
Arsenic	12		0.52	0.24	mg/Kg	1		☼	6010B	Total/NA
Barium	39		0.52	0.096	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.43		0.21	0.045	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.25		0.10	0.030	mg/Kg	1		☼	6010B	Total/NA
Chromium	8.8	B	0.52	0.090	mg/Kg	1		☼	6010B	Total/NA
Cobalt	12		0.26	0.059	mg/Kg	1		☼	6010B	Total/NA
Copper	30		0.52	0.11	mg/Kg	1		☼	6010B	Total/NA
Iron	15000		10	4.0	mg/Kg	1		☼	6010B	Total/NA
Lead	19		0.26	0.13	mg/Kg	1		☼	6010B	Total/NA
Magnesium	32000		5.2	2.1	mg/Kg	1		☼	6010B	Total/NA
Calcium	75000		100	34	mg/Kg	10		☼	6010B	Total/NA
Manganese	470	B	0.52	0.10	mg/Kg	1		☼	6010B	Total/NA
Nickel	28		0.52	0.14	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP (Continued)

Lab Sample ID: 500-103025-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	13		0.26	0.077	mg/Kg	1	☼	6010B	Total/NA
Zinc	130		1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	1100		26	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	630		52	6.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	250		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	76		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.82		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.17	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.13	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	21		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.030		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	3.6		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.3		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.066		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.1	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.31	J ^	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.026		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.24		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B11 (0-6)

Lab Sample ID: 500-103025-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0091	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J F1 B	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	21		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	110	F1	0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	25		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	29	F1	0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	33000	B	12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	15000		12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	670		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	45		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.89	F1	0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	25	F1	0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	73		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	850	F1	60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	300		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	74		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.49		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6) (Continued)

Lab Sample ID: 500-103025-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	3.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.092	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.099	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	19		5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	3.6		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	5.9		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.046		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.1	J	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.11	J ^	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.033		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	7.80		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B12 (0-5)

Lab Sample ID: 500-103025-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0085	J	0.041	0.0070	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.050		0.041	0.0056	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.064		0.041	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.12		0.041	0.0090	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.034	J	0.041	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.044		0.041	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.071		0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.13		0.041	0.0077	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.042		0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.044		0.041	0.0058	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.087		0.041	0.0083	mg/Kg	1	☼	8270D	Total/NA
Arsenic	9.2		0.61	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	90		0.61	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.24	0.053	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.61	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.30	0.069	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.61	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	12	4.7	mg/Kg	1	☼	6010B	Total/NA
Lead	49		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000		6.1	2.5	mg/Kg	1	☼	6010B	Total/NA
Calcium	24000		12	3.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	380		0.61	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		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	23		0.30	0.089	mg/Kg	1	☼	6010B	Total/NA
Zinc	81		1.2	0.39	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		30	5.0	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500		61	8.1	mg/Kg	1	☼	6010B	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	200		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	80		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.23		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.0		2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5) (Continued)

Lab Sample ID: 500-103025-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.12	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.049	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.52		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0047		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	31		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.029		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	120		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.18		0.038	0.038	mg/L	5		6010B	SPLP East
Magnesium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.52		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	15		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.74		0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0021		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.044		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.59		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.025	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.0095	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.059		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.011	J	0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.074		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.018	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.35	J B	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.7		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	15		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	24		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	56000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.32	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.36	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	50		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2400		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	750		55	7.3	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10) (Continued)

Lab Sample ID: 500-103025-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.58		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	400		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.028		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	37		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.058		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	8.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.098	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.018	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	42		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.070		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.097		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	53		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0083		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	25		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.47		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	17		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.28	J ^	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	8.58		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.079		0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.022	J	0.038	0.0059	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.067		0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.32	J B	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.093	J	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000	B	11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	53000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.62		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.29	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15) (Continued)

Lab Sample ID: 500-103025-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	60		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	180		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.57		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	29		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.050		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	8.8		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.41	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.14	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	27		5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	4.2		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.9		2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.8		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.010	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.14	J ^	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.025		0.017	0.0059	mg/Kg	1	☼	7471B	Total/NA
pH	8.39		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-19-G01

Lab Sample ID: 500-103025-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzof[a]anthracene	0.00019		0.00013	0.000044	mg/L	1		8270D	Total/NA
Chrysene	0.00053		0.00039	0.000053	mg/L	1		8270D	Total/NA
Fluoranthene	0.00036	J	0.00078	0.00035	mg/L	1		8270D	Total/NA
2-Methylnaphthalene	0.00025	J	0.00039	0.000051	mg/L	1		8270D	Total/NA
Phenanthrene	0.00061	J	0.00078	0.00023	mg/L	1		8270D	Total/NA
Pyrene	0.00070	J	0.00078	0.00033	mg/L	1		8270D	Total/NA
Arsenic	0.053		0.0010	0.00044	mg/L	1		6020A	Total Recoverable
Barium	1.9		0.013	0.0042	mg/L	5		6020A	Total Recoverable
Beryllium	0.014		0.0050	0.0012	mg/L	5		6020A	Total Recoverable
Cadmium	0.020		0.0025	0.00095	mg/L	5		6020A	Total Recoverable
Calcium	3100		10	5.3	mg/L	50		6020A	Total Recoverable
Chromium	0.31		0.025	0.0030	mg/L	5		6020A	Total Recoverable
Cobalt	0.32		0.0050	0.00095	mg/L	5		6020A	Total Recoverable
Copper	0.91		0.0020	0.00096	mg/L	1		6020A	Total Recoverable
Iron	500		0.50	0.13	mg/L	5		6020A	Total Recoverable
Lead	1.3		0.0025	0.00071	mg/L	5		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-G01 (Continued)

Lab Sample ID: 500-103025-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	1100		1.0	0.42	mg/L	5		6020A	Total Recoverable
Manganese	15		0.013	0.0050	mg/L	5		6020A	Total Recoverable
Nickel	0.70		0.010	0.0026	mg/L	5		6020A	Total Recoverable
Potassium	31		2.5	0.95	mg/L	5		6020A	Total Recoverable
Selenium	0.014		0.013	0.0042	mg/L	5		6020A	Total Recoverable
Silver	0.0012	J	0.0025	0.00040	mg/L	5		6020A	Total Recoverable
Sodium	160		1.0	0.44	mg/L	5		6020A	Total Recoverable
Thallium	0.0072	J	0.010	0.0030	mg/L	5		6020A	Total Recoverable
Vanadium	0.55		0.025	0.011	mg/L	5		6020A	Total Recoverable
Zinc	4.6		0.10	0.023	mg/L	5		6020A	Total Recoverable

Client Sample ID: Trip Blank

Lab Sample ID: 500-103025-56

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-103025-25	2678-19-B01 (0-6)	Solid	10/23/15 09:30	10/24/15 08:50
500-103025-26	2678-19-B02 (0-5)	Solid	10/23/15 10:00	10/24/15 08:50
500-103025-27	2678-19-B02 (0-5) DUP	Solid	10/23/15 10:05	10/24/15 08:50
500-103025-28	2678-19-B02 (5-10)	Solid	10/23/15 10:10	10/24/15 08:50
500-103025-29	2678-19-B02 (10-15)	Solid	10/23/15 10:15	10/24/15 08:50
500-103025-30	2678-19-B03 (0-5)	Solid	10/23/15 10:25	10/24/15 08:50
500-103025-31	2678-19-B03 (5-10)	Solid	10/23/15 10:30	10/24/15 08:50
500-103025-32	2678-19-B03 (10-15)	Solid	10/23/15 10:35	10/24/15 08:50
500-103025-33	2678-19-B04 (0-5)	Solid	10/23/15 11:00	10/24/15 08:50
500-103025-34	2678-19-B04 (5-10)	Solid	10/23/15 11:05	10/24/15 08:50
500-103025-35	2678-19-B04 (10-15)	Solid	10/23/15 11:10	10/24/15 08:50
500-103025-36	2678-19-B05 (0-5)	Solid	10/23/15 11:35	10/24/15 08:50
500-103025-37	2678-19-B05 (0-5) DUP	Solid	10/23/15 11:40	10/24/15 08:50
500-103025-38	2678-19-B05 (5-10)	Solid	10/23/15 11:45	10/24/15 08:50
500-103025-39	2678-19-B05 (10-15)	Solid	10/23/15 11:50	10/24/15 08:50
500-103025-40	2678-19-B06 (0-5)	Solid	10/23/15 12:35	10/24/15 08:50
500-103025-41	2678-19-B06 (5-10)	Solid	10/23/15 12:40	10/24/15 08:50
500-103025-42	2678-19-B06 (10-15)	Solid	10/23/15 12:45	10/24/15 08:50
500-103025-43	2678-19-B06 (15-21)	Solid	10/23/15 12:50	10/24/15 08:50
500-103025-44	2678-19-B07 (0-5)	Solid	10/23/15 13:20	10/24/15 08:50
500-103025-45	2678-19-B07 (5-10)	Solid	10/23/15 13:25	10/24/15 08:50
500-103025-46	2678-19-B07 (10-15)	Solid	10/23/15 13:30	10/24/15 08:50
500-103025-47	2678-19-B08 (0-6)	Solid	10/23/15 13:50	10/24/15 08:50
500-103025-48	2678-19-B09 (0-6)	Solid	10/23/15 14:15	10/24/15 08:50
500-103025-49	2678-19-B10 (0-6)	Solid	10/23/15 14:30	10/24/15 08:50
500-103025-50	2678-19-B10 (0-6) DUP	Solid	10/23/15 14:35	10/24/15 08:50
500-103025-51	2678-19-B11 (0-6)	Solid	10/23/15 15:05	10/24/15 08:50
500-103025-52	2678-19-B12 (0-5)	Solid	10/23/15 15:15	10/24/15 08:50
500-103025-53	2678-19-B12 (5-10)	Solid	10/23/15 15:20	10/24/15 08:50
500-103025-54	2678-19-B12 (10-15)	Solid	10/23/15 15:25	10/24/15 08:50
500-103025-55	2678-19-G01	Water	10/23/15 16:00	10/24/15 08:50
500-103025-56	Trip Blank	Water	10/23/15 00:00	10/24/15 08:50

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.041		0.022	0.0043	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Benzene	<0.0055		0.0055	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Bromodichloromethane	<0.0055		0.0055	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Bromoform	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Bromomethane	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
2-Butanone (MEK)	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Carbon disulfide	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Carbon tetrachloride	<0.0055		0.0055	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Chlorobenzene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Chloroethane	<0.0055	*	0.0055	0.0023	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Chloroform	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Chloromethane	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
cis-1,2-Dichloroethene	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
cis-1,3-Dichloropropene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Dibromochloromethane	<0.0055		0.0055	0.00064	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,1-Dichloroethane	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,2-Dichloroethane	<0.0055		0.0055	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,1-Dichloroethene	<0.0055		0.0055	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,2-Dichloropropane	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,3-Dichloropropane, Total	<0.0055		0.0055	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Ethylbenzene	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
2-Hexanone	<0.0055		0.0055	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Methylene Chloride	<0.0055		0.0055	0.0042	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
4-Methyl-2-pentanone (MIBK)	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Methyl tert-butyl ether	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Styrene	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,1,2,2-Tetrachloroethane	<0.0055		0.0055	0.00088	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Tetrachloroethene	<0.0055		0.0055	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Toluene	<0.0055		0.0055	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
trans-1,2-Dichloroethene	<0.0055		0.0055	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
trans-1,3-Dichloropropene	<0.0055		0.0055	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,1,1-Trichloroethane	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
1,1,2-Trichloroethane	<0.0055		0.0055	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Trichloroethene	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Vinyl acetate	<0.0055		0.0055	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Vinyl chloride	<0.0055		0.0055	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 11:43	1
Dibromofluoromethane	101		75 - 120	10/24/15 13:20	10/28/15 11:43	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/24/15 13:20	10/28/15 11:43	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/28/15 11:43	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	☼	10/29/15 07:15	10/31/15 00:18	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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	☼	10/29/15 07:15	10/31/15 00:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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	☼	10/29/15 07:15	10/31/15 00:18	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		25 - 119	10/29/15 07:15	10/31/15 00:18	1
2-Fluorophenol	103		25 - 110	10/29/15 07:15	10/31/15 00:18	1
Nitrobenzene-d5	89		25 - 115	10/29/15 07:15	10/31/15 00:18	1
Phenol-d5	80		31 - 110	10/29/15 07:15	10/31/15 00:18	1
Terphenyl-d14	124		36 - 134	10/29/15 07:15	10/31/15 00:18	1
2,4,6-Tribromophenol	107		35 - 137	10/29/15 07:15	10/31/15 00:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J	1.1	0.23	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Arsenic	11		0.57	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Barium	68		0.57	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Beryllium	0.83		0.23	0.049	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Cadmium	<0.11		0.11	0.033	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Chromium	22		0.57	0.097	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Cobalt	14		0.28	0.064	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Copper	32		0.57	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Iron	28000		11	4.4	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Lead	18		0.28	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Magnesium	5200		5.7	2.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Calcium	3000		11	3.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Manganese	1600		2.8	0.56	mg/Kg	☼	10/30/15 13:30	11/02/15 14:11	5
Nickel	33		0.57	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Selenium	0.64		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Thallium	2.1		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Vanadium	27		0.28	0.083	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Zinc	52		1.1	0.36	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Potassium	2200		28	4.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	1
Sodium	1400		57	7.5	mg/Kg	☼	10/30/15 13:30	10/31/15 02:32	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		10/29/15 11:00	10/30/15 07:20	1
Barium	0.49	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	92		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 07:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Copper	0.015	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Iron	5.4		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:20	1
Lead	0.018		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:20	1
Magnesium	35		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:20	1
Manganese	5.1		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Nickel	0.019	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Potassium	5.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:20	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:20	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:20	1
Zinc	0.10	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Barium	0.42	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 22:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 22:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 22:58	1
Calcium	24		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 22:58	1
Chromium	0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Cobalt	0.013	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Copper	0.069		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Iron	28		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 22:58	1
Lead	0.054		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 22:58	1
Magnesium	9.0		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:58	1
Manganese	0.90		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Nickel	0.035		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Potassium	5.9		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 22:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 22:58	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Vanadium	0.046		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 22:58	1
Zinc	0.14	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 22:58	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		10/29/15 11:00	11/04/15 16:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:42	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B01 (0-6)

Lab Sample ID: 500-103025-25

Date Collected: 10/23/15 09:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.0

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		10/29/15 17:00	10/30/15 12:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.018	0.0062	mg/Kg	☼	10/28/15 16:15	10/29/15 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:05	1
pH	7.85		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

Date Collected: 10/23/15 10:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.027		0.021	0.0041	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Benzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Bromodichloromethane	<0.0053		0.0053	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Bromoform	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Bromomethane	<0.0053		0.0053	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
2-Butanone (MEK)	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Carbon disulfide	<0.0053		0.0053	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Carbon tetrachloride	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Chlorobenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Chloroethane	<0.0053	*	0.0053	0.0022	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Chloroform	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Chloromethane	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Dibromochloromethane	<0.0053		0.0053	0.00061	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,1-Dichloroethane	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,2-Dichloroethane	<0.0053		0.0053	0.00079	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,1-Dichloroethene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,2-Dichloropropane	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,3-Dichloropropane, Total	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Ethylbenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
2-Hexanone	<0.0053		0.0053	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Methylene Chloride	<0.0053		0.0053	0.0040	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
4-Methyl-2-pentanone (MIBK)	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Methyl tert-butyl ether	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Styrene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.00085	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Tetrachloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Toluene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Trichloroethene	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Vinyl acetate	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Vinyl chloride	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/28/15 12:08	1
Dibromofluoromethane	103		75 - 120	10/24/15 13:20	10/28/15 12:08	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/24/15 13:20	10/28/15 12:08	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 12:08	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	☼	10/29/15 07:15	10/31/15 00:44	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

Date Collected: 10/23/15 10:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.5

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	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Methylnaphthalene	<0.040		0.040	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

Date Collected: 10/23/15 10:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.5

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	☼	10/29/15 07:15	10/31/15 00:44	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		25 - 119	10/29/15 07:15	10/31/15 00:44	1
2-Fluorophenol	102		25 - 110	10/29/15 07:15	10/31/15 00:44	1
Nitrobenzene-d5	89		25 - 115	10/29/15 07:15	10/31/15 00:44	1
Phenol-d5	90		31 - 110	10/29/15 07:15	10/31/15 00:44	1
Terphenyl-d14	140	X	36 - 134	10/29/15 07:15	10/31/15 00:44	1
2,4,6-Tribromophenol	99		35 - 137	10/29/15 07:15	10/31/15 00:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.2	0.25	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Arsenic	10		0.59	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Barium	63		0.59	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Beryllium	0.76		0.24	0.051	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Cadmium	<0.12		0.12	0.034	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Chromium	20		0.59	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Cobalt	13		0.30	0.067	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Copper	27		0.59	0.13	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Iron	22000		12	4.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Lead	16		0.30	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Magnesium	6600		5.9	2.4	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Calcium	6500		12	3.8	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Manganese	230		0.59	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Nickel	30		0.59	0.16	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Selenium	0.75		0.59	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Thallium	0.65		0.59	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Vanadium	27		0.30	0.086	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Zinc	49		1.2	0.37	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Potassium	2200		30	4.8	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	1
Sodium	1100		59	7.8	mg/Kg	☼	10/30/15 13:30	10/31/15 02:39	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		10/29/15 11:00	10/30/15 07:26	1
Barium	0.51		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:26	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

Date Collected: 10/23/15 10:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.5

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		10/29/15 11:00	10/30/15 07:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Copper	0.014	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Iron	0.42		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:26	1
Lead	0.013		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:26	1
Magnesium	57		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:26	1
Manganese	6.9		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Nickel	0.020	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Potassium	3.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:26	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:26	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:26	1
Zinc	0.26	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Barium	0.25	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:05	1
Calcium	26		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:05	1
Chromium	0.015	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Copper	0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Iron	11		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:05	1
Lead	0.012		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:05	1
Magnesium	8.9		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:05	1
Manganese	0.34		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Nickel	0.017	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Potassium	3.7		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:05	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Vanadium	0.020	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:05	1
Zinc	0.33	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:05	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		10/29/15 11:00	11/04/15 16:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:43	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5)

Lab Sample ID: 500-103025-26

Date Collected: 10/23/15 10:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.5

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		10/29/15 17:00	10/30/15 12:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.020	0.0071	mg/Kg	☼	10/28/15 16:15	10/29/15 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/29/15 15:30	10/29/15 20:06	1
pH	7.70		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Date Collected: 10/23/15 10:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.025		0.019	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	10/24/15 13:20	10/28/15 12:31	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/28/15 12:31	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	10/24/15 13:20	10/28/15 12:31	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/28/15 12:31	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	☼	10/29/15 07:15	10/31/15 01:10	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Date Collected: 10/23/15 10:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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	0.0078	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Date Collected: 10/23/15 10:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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	0.38	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	10/29/15 07:15	10/31/15 01:10	1
2-Fluorophenol	96		25 - 110	10/29/15 07:15	10/31/15 01:10	1
Nitrobenzene-d5	84		25 - 115	10/29/15 07:15	10/31/15 01:10	1
Phenol-d5	77		31 - 110	10/29/15 07:15	10/31/15 01:10	1
Terphenyl-d14	124		36 - 134	10/29/15 07:15	10/31/15 01:10	1
2,4,6-Tribromophenol	94		35 - 137	10/29/15 07:15	10/31/15 01:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.2	0.24	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Arsenic	8.0		0.58	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Barium	45		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Beryllium	0.59		0.23	0.050	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Cadmium	0.096	J	0.12	0.033	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Chromium	16		0.58	0.099	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Cobalt	9.3		0.29	0.065	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Copper	25		0.58	0.13	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Iron	18000		12	4.5	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Lead	12		0.29	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Magnesium	27000		5.8	2.3	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Calcium	38000		12	3.7	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Manganese	330		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Nickel	24		0.58	0.16	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Thallium	0.74		0.58	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Vanadium	21		0.29	0.084	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Zinc	37		1.2	0.37	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Potassium	2200		29	4.7	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	1
Sodium	720		58	7.6	mg/Kg	☼	10/30/15 13:30	10/31/15 02:46	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		10/29/15 11:00	10/30/15 07:33	1
Barium	0.51		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Date Collected: 10/23/15 10:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 07:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Copper	0.013	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Iron	0.40		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:33	1
Lead	0.012		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:33	1
Magnesium	66		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:33	1
Manganese	4.8		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Nickel	0.012	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Potassium	3.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:33	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:33	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:33	1
Zinc	0.11	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Barium	0.24	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:11	1
Calcium	24		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:11	1
Chromium	0.015	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Copper	0.023	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Iron	11		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:11	1
Lead	0.013		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:11	1
Magnesium	8.4		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:11	1
Manganese	0.41		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Nickel	0.016	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Potassium	3.8		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:11	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Vanadium	0.021	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:11	1
Zinc	0.12	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:11	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		10/29/15 11:00	11/04/15 16:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:43	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:06	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (0-5) DUP

Lab Sample ID: 500-103025-27

Date Collected: 10/23/15 10:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.4

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		10/29/15 17:00	10/30/15 12:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:06	1
pH	7.50		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Date Collected: 10/23/15 10:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.032		0.019	0.0038	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/24/15 13:20	10/28/15 12:56	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/28/15 12:56	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/28/15 12:56	1
Toluene-d8 (Surr)	98		75 - 122	10/24/15 13:20	10/28/15 12:56	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	☼	10/29/15 07:15	10/31/15 01:37	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Date Collected: 10/23/15 10:10

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.040		0.040	0.0077	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Methylnaphthalene	<0.040		0.040	0.0073	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Date Collected: 10/23/15 10:10

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.80		0.80	0.38	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
Pyrene	0.014	J	0.040	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/29/15 07:15	10/31/15 01:37	1
2-Fluorophenol	92		25 - 110	10/29/15 07:15	10/31/15 01:37	1
Nitrobenzene-d5	85		25 - 115	10/29/15 07:15	10/31/15 01:37	1
Phenol-d5	79		31 - 110	10/29/15 07:15	10/31/15 01:37	1
Terphenyl-d14	125		36 - 134	10/29/15 07:15	10/31/15 01:37	1
2,4,6-Tribromophenol	90		35 - 137	10/29/15 07:15	10/31/15 01:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J	1.1	0.24	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Arsenic	7.9		0.57	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Barium	56		0.57	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Beryllium	0.65		0.23	0.049	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Cadmium	0.15		0.11	0.033	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Chromium	18		0.57	0.098	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Cobalt	9.7		0.28	0.064	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Copper	30		0.57	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Iron	17000		11	4.4	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Lead	19		0.28	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Magnesium	10000		5.7	2.3	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Calcium	13000		11	3.7	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Manganese	180		0.57	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Nickel	27		0.57	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Selenium	0.75		0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Thallium	0.48	J	0.57	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Vanadium	21		0.28	0.083	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Zinc	49		1.1	0.36	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Potassium	2200		28	4.6	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	1
Sodium	240		57	7.5	mg/Kg	☼	10/30/15 13:30	10/31/15 03:08	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		10/29/15 11:00	10/30/15 07:45	1
Barium	0.52		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:45	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Date Collected: 10/23/15 10:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.6

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		10/29/15 11:00	10/30/15 07:45	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:45	1
Magnesium	130		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:45	1
Manganese	3.1		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Nickel	0.011	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Potassium	4.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:45	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:45	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:45	1
Zinc	0.20	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Barium	0.12	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:18	1
Calcium	11		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:18	1
Chromium	0.013	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Copper	0.016	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Iron	9.0		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:18	1
Lead	0.014		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:18	1
Magnesium	6.4		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:18	1
Manganese	0.073		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Nickel	0.015	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Potassium	3.1		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:18	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Vanadium	0.020	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:18	1
Zinc	0.044	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:18	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		10/29/15 11:00	11/04/15 16:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:44	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (5-10)

Lab Sample ID: 500-103025-28

Date Collected: 10/23/15 10:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.6

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		10/29/15 17:00	10/30/15 12:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.020	0.0069	mg/Kg	☼	10/28/15 16:15	10/29/15 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/29/15 15:30	10/29/15 20:06	1
pH	7.32		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (10-15)

Lab Sample ID: 500-103025-29

Date Collected: 10/23/15 10:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Benzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Bromodichloromethane	<0.0052		0.0052	0.00088	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
2-Butanone (MEK)	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/24/15 13:20	10/28/15 13:20	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/28/15 13:20	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/24/15 13:20	10/28/15 13:20	1
Toluene-d8 (Surr)	100		75 - 122	10/24/15 13:20	10/28/15 13:20	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	☼	10/29/15 07:15	10/31/15 02:03	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1

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Client Sample Results

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TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (10-15)

Lab Sample ID: 500-103025-29

Date Collected: 10/23/15 10:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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	☼	10/29/15 07:15	10/31/15 02:03	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Chrysene	0.046		0.038	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1

TestAmerica Chicago

Client Sample Results

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Lab Sample ID: 500-103025-29

Date Collected: 10/23/15 10:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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	☼	10/29/15 07:15	10/31/15 02:03	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Phenanthrene	0.025	J	0.038	0.0053	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/29/15 07:15	10/31/15 02:03	1
2-Fluorophenol	90		25 - 110	10/29/15 07:15	10/31/15 02:03	1
Nitrobenzene-d5	86		25 - 115	10/29/15 07:15	10/31/15 02:03	1
Phenol-d5	78		31 - 110	10/29/15 07:15	10/31/15 02:03	1
Terphenyl-d14	137	X	36 - 134	10/29/15 07:15	10/31/15 02:03	1
2,4,6-Tribromophenol	94		35 - 137	10/29/15 07:15	10/31/15 02:03	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	☼	10/30/15 13:30	10/31/15 03:15	1
Arsenic	16		0.53	0.25	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Barium	8.0		0.53	0.097	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Beryllium	0.27		0.21	0.046	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Cadmium	0.26		0.11	0.031	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Chromium	6.4		0.53	0.091	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Cobalt	6.9		0.27	0.060	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Copper	29		0.53	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Iron	21000		11	4.1	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Lead	13		0.27	0.13	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Magnesium	30000		5.3	2.2	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Calcium	45000		11	3.4	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Manganese	330		0.53	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Nickel	18		0.53	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Selenium	<0.53		0.53	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Silver	0.063	J	0.27	0.062	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Vanadium	8.4		0.27	0.077	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Zinc	43		1.1	0.34	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Potassium	1300		27	4.3	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	1
Sodium	170		53	7.0	mg/Kg	☼	10/30/15 13:30	10/31/15 03:15	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		10/29/15 11:00	10/30/15 07:52	1
Barium	0.26	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:52	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:52	1

TestAmerica Chicago

Client Sample Results

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 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

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Lab Sample ID: 500-103025-29

Date Collected: 10/23/15 10:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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		10/29/15 11:00	10/30/15 07:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:52	1
Lead	0.0080		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:52	1
Magnesium	140		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:52	1
Manganese	4.0		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Nickel	0.021	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Potassium	6.6		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:52	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:52	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:52	1
Zinc	0.089	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Barium	<0.50		0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:25	1
Calcium	13		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:25	1
Magnesium	3.0		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:25	1
Manganese	0.018	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Potassium	0.93	J	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:25	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:25	1
Zinc	<0.50		0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:25	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		10/29/15 11:00	11/04/15 16:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:45	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B02 (10-15)

Lab Sample ID: 500-103025-29

Date Collected: 10/23/15 10:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.0

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		10/29/15 17:00	10/30/15 12:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	10/29/15 15:30	10/29/15 20:07	1
pH	7.55		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Date Collected: 10/23/15 10:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Benzene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Bromodichloromethane	<0.0052		0.0052	0.00087	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
2-Butanone (MEK)	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 13:44	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/28/15 13:44	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/24/15 13:20	10/28/15 13:44	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 13:44	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	☼	10/29/15 07:15	10/31/15 02:29	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Date Collected: 10/23/15 10:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.0

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	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Methylnaphthalene	<0.040		0.040	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Date Collected: 10/23/15 10:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.0

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	☼	10/29/15 07:15	10/31/15 02:29	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	10/31/15 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/29/15 07:15	10/31/15 02:29	1
2-Fluorophenol	87		25 - 110	10/29/15 07:15	10/31/15 02:29	1
Nitrobenzene-d5	85		25 - 115	10/29/15 07:15	10/31/15 02:29	1
Phenol-d5	57		31 - 110	10/29/15 07:15	10/31/15 02:29	1
Terphenyl-d14	135	X	36 - 134	10/29/15 07:15	10/31/15 02:29	1
2,4,6-Tribromophenol	86		35 - 137	10/29/15 07:15	10/31/15 02:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.25	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Arsenic	10		0.61	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Barium	59		0.61	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Beryllium	0.77		0.24	0.053	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Chromium	21		0.61	0.10	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Cobalt	13		0.30	0.069	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Copper	29		0.61	0.13	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Iron	24000		12	4.7	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Lead	17		0.30	0.15	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Magnesium	4100		6.1	2.5	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Calcium	1600		12	3.9	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Manganese	160		0.61	0.12	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Nickel	31		0.61	0.16	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Selenium	0.48	J	0.61	0.30	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Thallium	0.76		0.61	0.30	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Vanadium	26		0.30	0.089	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Zinc	52		1.2	0.38	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Potassium	2000		30	4.9	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1
Sodium	1000		61	8.0	mg/Kg	☼	10/30/15 13:30	10/31/15 03:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Barium	0.49	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 07:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 07:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 07:59	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Date Collected: 10/23/15 10:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 07:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Cobalt	0.023	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Copper	0.016	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Iron	1.7		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 07:59	1
Lead	0.014		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 07:59	1
Magnesium	39		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:59	1
Manganese	5.8		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Nickel	0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Potassium	4.6		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 07:59	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 07:59	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 07:59	1
Zinc	0.21	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 07:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Barium	0.38	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:32	1
Calcium	24		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:32	1
Chromium	0.021	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Copper	0.052		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Iron	18		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:32	1
Lead	0.043		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:32	1
Magnesium	8.8		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:32	1
Manganese	0.26		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Nickel	0.026		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Potassium	5.9		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:32	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Vanadium	0.035		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:32	1
Zinc	0.30	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:32	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		10/29/15 11:00	11/04/15 16:46	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:46	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (0-5)

Lab Sample ID: 500-103025-30

Date Collected: 10/23/15 10:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 81.0

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		10/29/15 17:00	10/30/15 12:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0071	mg/Kg	☼	10/28/15 16:15	10/29/15 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	☼	10/29/15 15:30	10/29/15 20:08	1
pH	7.65		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Date Collected: 10/23/15 10:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Chloroethane	<0.0050	*	0.0050	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1
Xylenes, Total	<0.010		0.010	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/28/15 14:09	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/28/15 14:09	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/28/15 14:09	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 14:09	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	☼	10/29/15 07:15	10/31/15 02:56	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Date Collected: 10/23/15 10:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.039		0.039	0.0076	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Chrysene	0.021	J	0.039	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Date Collected: 10/23/15 10:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:15	10/31/15 02:56	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
Pyrene	0.021	J	0.039	0.0078	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	10/29/15 07:15	10/31/15 02:56	1
2-Fluorophenol	92		25 - 110	10/29/15 07:15	10/31/15 02:56	1
Nitrobenzene-d5	102		25 - 115	10/29/15 07:15	10/31/15 02:56	1
Phenol-d5	86		31 - 110	10/29/15 07:15	10/31/15 02:56	1
Terphenyl-d14	146	X	36 - 134	10/29/15 07:15	10/31/15 02:56	1
2,4,6-Tribromophenol	74		35 - 137	10/29/15 07:15	10/31/15 02:56	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.2	0.24	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Arsenic	4.7		0.58	0.27	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Barium	47		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Beryllium	0.53		0.23	0.050	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Cadmium	0.16		0.12	0.033	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Chromium	16		0.58	0.099	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Cobalt	5.2		0.29	0.065	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Copper	22		0.58	0.13	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Iron	15000		12	4.4	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Lead	10		0.29	0.14	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Magnesium	23000		5.8	2.3	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Calcium	41000		12	3.7	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Manganese	220		0.58	0.11	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Nickel	20		0.58	0.16	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Thallium	0.91		0.58	0.28	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Vanadium	16		0.29	0.084	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Zinc	41		1.2	0.36	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Potassium	2800		29	4.7	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1
Sodium	420		58	7.6	mg/Kg	☼	10/30/15 13:30	10/31/15 03:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Barium	0.33	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:06	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Date Collected: 10/23/15 10:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 08:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:06	1
Magnesium	40		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:06	1
Manganese	0.76		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Potassium	4.4		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:06	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:06	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:06	1
Zinc	0.097	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Barium	0.070	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:38	1
Calcium	13		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Copper	0.011	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Iron	0.42		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:38	1
Magnesium	4.0		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:38	1
Manganese	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Potassium	1.6	J	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:38	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:38	1
Zinc	0.11	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:38	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		10/29/15 11:00	11/04/15 16:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:47	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (5-10)

Lab Sample ID: 500-103025-31

Date Collected: 10/23/15 10:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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		10/29/15 17:00	10/30/15 12:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.20	mg/Kg	☼	10/29/15 18:45	10/29/15 20:35	1
pH	7.65		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Date Collected: 10/23/15 10:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/24/15 13:20	10/29/15 12:02	1
Dibromofluoromethane	101		75 - 120	10/24/15 13:20	10/29/15 12:02	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/29/15 12:02	1
Toluene-d8 (Surr)	101		75 - 122	10/24/15 13:20	10/29/15 12:02	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	☼	10/29/15 07:15	10/31/15 03:22	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Date Collected: 10/23/15 10:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.3

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	☼	10/29/15 07:15	10/31/15 03:22	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Chrysene	0.020	J	0.038	0.011	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Date Collected: 10/23/15 10:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.3

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	☼	10/29/15 07:15	10/31/15 03:22	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Phenanthrene	0.021	J	0.038	0.0054	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
Pyrene	0.021	J	0.038	0.0077	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	10/31/15 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		25 - 119	10/29/15 07:15	10/31/15 03:22	1
2-Fluorophenol	89		25 - 110	10/29/15 07:15	10/31/15 03:22	1
Nitrobenzene-d5	101		25 - 115	10/29/15 07:15	10/31/15 03:22	1
Phenol-d5	89		31 - 110	10/29/15 07:15	10/31/15 03:22	1
Terphenyl-d14	133		36 - 134	10/29/15 07:15	10/31/15 03:22	1
2,4,6-Tribromophenol	90		35 - 137	10/29/15 07:15	10/31/15 03:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J F1	1.1	0.23	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Arsenic	8.8	F1	0.57	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Barium	29		0.57	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Beryllium	0.63		0.23	0.049	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Cadmium	0.071	J	0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Chromium	14	F1 B	0.57	0.097	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Cobalt	12		0.28	0.064	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Copper	26	F2 F1	0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Iron	19000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Lead	16		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Magnesium	25000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Calcium	76000		110	36	mg/Kg	☼	11/02/15 14:12	11/03/15 22:56	10
Manganese	300	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Nickel	33		0.57	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Selenium	0.39	J F2 F1	0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Vanadium	16		0.28	0.083	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Zinc	58		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Potassium	2000		28	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	1
Sodium	350		57	7.5	mg/Kg	☼	11/02/15 14:12	11/03/15 16:14	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		10/29/15 11:00	10/30/15 08:29	1
Barium	0.33	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Date Collected: 10/23/15 10:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	480		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 08:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Copper	0.011	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:29	1
Magnesium	41		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:29	1
Manganese	1.3		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Potassium	6.8		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:29	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:29	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:29	1
Zinc	0.24	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Barium	0.050	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:45	1
Calcium	8.7		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:45	1
Chromium	0.013	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Copper	0.013	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Iron	9.3		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:45	1
Lead	0.0076		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:45	1
Magnesium	4.7		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:45	1
Manganese	0.059		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Nickel	0.014	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Potassium	4.5		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:45	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Vanadium	0.016	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:45	1
Zinc	0.34	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:45	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		10/29/15 11:00	11/04/15 16:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:48	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B03 (10-15)

Lab Sample ID: 500-103025-32

Date Collected: 10/23/15 10:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.3

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		10/29/15 17:00	10/30/15 12:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/29/15 18:45	10/29/15 20:36	1
pH	7.78		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Date Collected: 10/23/15 11:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.027		0.021	0.0041	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Benzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Bromodichloromethane	<0.0053		0.0053	0.00089	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Bromoform	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Bromomethane	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
2-Butanone (MEK)	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Carbon disulfide	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Carbon tetrachloride	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Chlorobenzene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Chloroethane	<0.0053	*	0.0053	0.0022	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Chloroform	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Chloromethane	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
cis-1,2-Dichloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
cis-1,3-Dichloropropene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Dibromochloromethane	<0.0053		0.0053	0.00061	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,1-Dichloroethane	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,2-Dichloroethane	<0.0053		0.0053	0.00078	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,1-Dichloroethene	<0.0053		0.0053	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,2-Dichloropropane	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,3-Dichloropropane, Total	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Ethylbenzene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
2-Hexanone	<0.0053		0.0053	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Methylene Chloride	<0.0053		0.0053	0.0040	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
4-Methyl-2-pentanone (MIBK)	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Methyl tert-butyl ether	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Styrene	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,1,2,2-Tetrachloroethane	<0.0053		0.0053	0.00084	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Tetrachloroethene	<0.0053		0.0053	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Toluene	<0.0053		0.0053	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
trans-1,2-Dichloroethene	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
trans-1,3-Dichloropropene	<0.0053		0.0053	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,1,1-Trichloroethane	<0.0053		0.0053	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
1,1,2-Trichloroethane	<0.0053		0.0053	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Trichloroethene	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Vinyl acetate	<0.0053		0.0053	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Vinyl chloride	<0.0053		0.0053	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 14:58	1
Dibromofluoromethane	110		75 - 120	10/24/15 13:20	10/28/15 14:58	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	10/24/15 13:20	10/28/15 14:58	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/28/15 14:58	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	☼	10/29/15 07:15	11/02/15 18:23	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Date Collected: 10/23/15 11:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.6

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	0.0078	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Fluoranthene	0.0077	J	0.040	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Date Collected: 10/23/15 11:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.6

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	☼	10/29/15 07:15	11/02/15 18:23	1
N-Nitrosodi-n-propylamine	0.39		0.20	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Phenanthrene	0.014	J	0.040	0.0056	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		25 - 119	10/29/15 07:15	11/02/15 18:23	1
2-Fluorophenol	96		25 - 110	10/29/15 07:15	11/02/15 18:23	1
Nitrobenzene-d5	95		25 - 115	10/29/15 07:15	11/02/15 18:23	1
Phenol-d5	86		31 - 110	10/29/15 07:15	11/02/15 18:23	1
Terphenyl-d14	84		36 - 134	10/29/15 07:15	11/02/15 18:23	1
2,4,6-Tribromophenol	63		35 - 137	10/29/15 07:15	11/02/15 18:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.2	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Arsenic	6.5		0.58	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Barium	82		0.58	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Beryllium	0.82		0.23	0.050	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Cadmium	0.14		0.12	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Chromium	18	B	0.58	0.099	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Cobalt	13		0.29	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Copper	24		0.58	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Iron	19000		12	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Lead	18		0.29	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Magnesium	9300		5.8	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Calcium	13000		12	3.7	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Manganese	250	B	0.58	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Nickel	34		0.58	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Selenium	<0.58		0.58	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Vanadium	23		0.29	0.084	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Zinc	62		1.2	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Potassium	1300		29	4.7	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	1
Sodium	740		58	7.6	mg/Kg	☼	11/02/15 14:12	11/03/15 16:39	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		10/29/15 11:00	10/30/15 08:36	1
Barium	0.45	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Date Collected: 10/23/15 11:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.6

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		10/29/15 11:00	10/30/15 08:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Copper	0.011	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:36	1
Magnesium	70		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:36	1
Manganese	5.5		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Potassium	3.6		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:36	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:36	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:36	1
Zinc	0.084	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Barium	0.44	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:52	1
Beryllium	0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:52	1
Calcium	26		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:52	1
Chromium	0.093		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Cobalt	0.040		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Copper	0.13		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Iron	94		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:52	1
Lead	0.068		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:52	1
Magnesium	23		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:52	1
Manganese	0.93		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Nickel	0.11		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Potassium	13		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:52	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Vanadium	0.12		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:52	1
Zinc	0.23	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:52	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		10/29/15 11:00	11/04/15 16:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:49	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:11	1
Thallium	0.0022		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (0-5)

Lab Sample ID: 500-103025-33

Date Collected: 10/23/15 11:00

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.6

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		10/29/15 17:00	10/30/15 12:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.62		0.62	0.20	mg/Kg	☼	10/29/15 18:45	10/29/15 20:36	1
pH	7.80		0.200	0.200	SU			10/30/15 14:50	1



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TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (5-10)

Lab Sample ID: 500-103025-34

Date Collected: 10/23/15 11:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Benzene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Bromodichloromethane	<0.0051		0.0051	0.00086	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Bromoform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
2-Butanone (MEK)	<0.0051		0.0051	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Carbon disulfide	<0.0051		0.0051	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Carbon tetrachloride	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Chlorobenzene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Chloroethane	<0.0051	*	0.0051	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Chloroform	<0.0051		0.0051	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Chloromethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Dibromochloromethane	<0.0051		0.0051	0.00058	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,1-Dichloroethane	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,2-Dichloroethane	<0.0051		0.0051	0.00075	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,1-Dichloroethene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,2-Dichloropropane	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,3-Dichloropropane, Total	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Ethylbenzene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Methylene Chloride	<0.0051		0.0051	0.0038	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Methyl tert-butyl ether	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Styrene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.00080	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Tetrachloroethene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Toluene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Trichloroethene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Vinyl acetate	<0.0051		0.0051	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Vinyl chloride	<0.0051		0.0051	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/24/15 13:20	10/28/15 15:23	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/28/15 15:23	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/28/15 15:23	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/28/15 15:23	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	☼	10/29/15 07:15	11/02/15 18:50	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1

TestAmerica Chicago

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Lab Sample ID: 500-103025-34

Date Collected: 10/23/15 11:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.6

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	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1

TestAmerica Chicago

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TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (5-10)

Lab Sample ID: 500-103025-34

Date Collected: 10/23/15 11:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.6

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	☼	10/29/15 07:15	11/02/15 18:50	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/29/15 07:15	11/02/15 18:50	1
2-Fluorophenol	94		25 - 110	10/29/15 07:15	11/02/15 18:50	1
Nitrobenzene-d5	88		25 - 115	10/29/15 07:15	11/02/15 18:50	1
Phenol-d5	88		31 - 110	10/29/15 07:15	11/02/15 18:50	1
Terphenyl-d14	97		36 - 134	10/29/15 07:15	11/02/15 18:50	1
2,4,6-Tribromophenol	69		35 - 137	10/29/15 07:15	11/02/15 18:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.87	J	1.2	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Arsenic	9.6		0.59	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Barium	35		0.59	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Beryllium	0.71		0.23	0.051	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Cadmium	0.051	J	0.12	0.034	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Chromium	15	B	0.59	0.10	mg/Kg	☼	11/02/15 14:12	11/04/15 12:40	1
Cobalt	12		0.29	0.066	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Copper	27		0.59	0.13	mg/Kg	☼	11/02/15 14:12	11/04/15 12:40	1
Iron	21000		12	4.5	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Lead	18		0.29	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Magnesium	22000		5.9	2.4	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Calcium	31000		12	3.8	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Manganese	210	B	0.59	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Nickel	32		0.59	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Selenium	0.53	J	0.59	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	11/02/15 14:12	11/04/15 12:40	1
Thallium	0.32	J	0.59	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Vanadium	20		0.29	0.086	mg/Kg	☼	11/02/15 14:12	11/04/15 12:40	1
Zinc	57		1.2	0.37	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Potassium	1600		29	4.8	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1
Sodium	380		59	7.7	mg/Kg	☼	11/02/15 14:12	11/03/15 16:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Barium	0.34	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:42	1

TestAmerica Chicago

Client Sample Results

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Lab Sample ID: 500-103025-34

Date Collected: 10/23/15 11:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.6

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		10/29/15 11:00	10/30/15 08:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Copper	0.010	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:42	1
Magnesium	110		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:42	1
Manganese	1.1		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Potassium	4.7		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:42	1
Selenium	<0.050	[^]	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:42	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:42	1
Zinc	0.18	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Barium	0.12	J	0.50	0.050	mg/L		10/30/15 11:00	10/30/15 23:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/30/15 23:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/30/15 23:59	1
Calcium	20		5.0	0.50	mg/L		10/30/15 11:00	10/30/15 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Copper	0.018	J	0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Iron	0.81		0.20	0.20	mg/L		10/30/15 11:00	10/30/15 23:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 11:00	10/30/15 23:59	1
Magnesium	6.8		2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:59	1
Manganese	0.075		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Potassium	2.1	J	2.5	0.50	mg/L		10/30/15 11:00	10/30/15 23:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/30/15 23:59	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/30/15 23:59	1
Zinc	0.42	J	0.50	0.020	mg/L		10/30/15 11:00	10/30/15 23:59	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		10/29/15 11:00	11/04/15 16:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:50	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:45	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (5-10)

Lab Sample ID: 500-103025-34

Date Collected: 10/23/15 11:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.6

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		10/29/15 17:00	10/30/15 12:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0069	mg/Kg	☼	10/28/15 16:15	10/29/15 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/29/15 18:45	10/29/15 20:37	1
pH	7.75		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Date Collected: 10/23/15 11:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0034	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Benzene	<0.0044		0.0044	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Bromodichloromethane	<0.0044		0.0044	0.00075	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Bromoform	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Carbon tetrachloride	<0.0044		0.0044	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Chloroethane	<0.0044	*	0.0044	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Chloroform	<0.0044		0.0044	0.00086	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Dibromochloromethane	<0.0044		0.0044	0.00051	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,1-Dichloroethane	<0.0044		0.0044	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,2-Dichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,2-Dichloropropane	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Tetrachloroethene	<0.0044		0.0044	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00086	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Vinyl chloride	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 15:47	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/28/15 15:47	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/28/15 15:47	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/28/15 15:47	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	☼	10/29/15 07:15	11/02/15 19:18	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Date Collected: 10/23/15 11:10

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.037		0.037	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Chrysene	0.019	J	0.037	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Methylnaphthalene	0.027	J	0.037	0.0069	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Date Collected: 10/23/15 11:10

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.76		0.76	0.36	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Phenanthrene	0.045		0.037	0.0052	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
Pyrene	0.012	J	0.037	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/29/15 07:15	11/02/15 19:18	1
2-Fluorophenol	91		25 - 110	10/29/15 07:15	11/02/15 19:18	1
Nitrobenzene-d5	92		25 - 115	10/29/15 07:15	11/02/15 19:18	1
Phenol-d5	83		31 - 110	10/29/15 07:15	11/02/15 19:18	1
Terphenyl-d14	110		36 - 134	10/29/15 07:15	11/02/15 19:18	1
2,4,6-Tribromophenol	71		35 - 137	10/29/15 07:15	11/02/15 19:18	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	☼	11/02/15 14:12	11/03/15 16:58	1
Arsenic	6.6		0.56	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Barium	34		0.56	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Beryllium	0.59		0.22	0.048	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Cadmium	0.11		0.11	0.032	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Cobalt	14		0.28	0.063	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Copper	24		0.56	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Iron	17000		11	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Lead	13		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Magnesium	26000		5.6	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Calcium	83000		110	36	mg/Kg	☼	11/02/15 14:12	11/03/15 23:28	10
Manganese	330	B	0.56	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Nickel	34		0.56	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Selenium	0.48	J	0.56	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Vanadium	17		0.28	0.081	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Zinc	49		1.1	0.35	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Potassium	2100		28	4.5	mg/Kg	☼	11/02/15 14:12	11/03/15 16:58	1
Sodium	200		56	7.4	mg/Kg	☼	11/02/15 14:12	11/03/15 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		10/29/15 11:00	10/30/15 08:49	1
Barium	0.54		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Date Collected: 10/23/15 11:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.8

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		10/29/15 11:00	10/30/15 08:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Cobalt	0.029		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Copper	0.011	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:49	1
Magnesium	25		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:49	1
Manganese	2.0		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Nickel	0.079		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 12:26	1
Potassium	10		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:49	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:49	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:49	1
Zinc	0.14	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Barium	0.10	J	0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:21	1
Calcium	23		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Copper	0.015	J	0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Iron	2.5		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:21	1
Magnesium	6.9		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:21	1
Manganese	0.12		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Potassium	4.2		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:21	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:21	1
Zinc	0.082	J	0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:21	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		10/29/15 11:00	11/04/15 16:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:52	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B04 (10-15)

Lab Sample ID: 500-103025-35

Date Collected: 10/23/15 11:10

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.8

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		10/29/15 17:00	10/30/15 12:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/29/15 18:45	10/29/15 20:37	1
pH	7.77		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Date Collected: 10/23/15 11:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.029		0.023	0.0044	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Benzene	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Bromodichloromethane	<0.0057		0.0057	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Bromoform	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Bromomethane	<0.0057		0.0057	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
2-Butanone (MEK)	<0.0057		0.0057	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Carbon disulfide	<0.0057		0.0057	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Carbon tetrachloride	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Chlorobenzene	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Chloroethane	<0.0057	*	0.0057	0.0024	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Chloroform	<0.0057		0.0057	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Chloromethane	<0.0057		0.0057	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
cis-1,2-Dichloroethene	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
cis-1,3-Dichloropropene	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Dibromochloromethane	<0.0057		0.0057	0.00066	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,1-Dichloroethane	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,2-Dichloroethane	<0.0057		0.0057	0.00085	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,1-Dichloroethene	<0.0057		0.0057	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,2-Dichloropropane	<0.0057		0.0057	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,3-Dichloropropane, Total	<0.0057		0.0057	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Ethylbenzene	<0.0057		0.0057	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
2-Hexanone	<0.0057		0.0057	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Methylene Chloride	<0.0057		0.0057	0.0043	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
4-Methyl-2-pentanone (MIBK)	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Methyl tert-butyl ether	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Styrene	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,1,2,2-Tetrachloroethane	<0.0057		0.0057	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Tetrachloroethene	<0.0057		0.0057	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Toluene	<0.0057		0.0057	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
trans-1,2-Dichloroethene	<0.0057		0.0057	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
trans-1,3-Dichloropropene	<0.0057		0.0057	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,1,1-Trichloroethane	<0.0057		0.0057	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
1,1,2-Trichloroethane	<0.0057		0.0057	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Trichloroethene	<0.0057		0.0057	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Vinyl acetate	<0.0057		0.0057	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Vinyl chloride	<0.0057		0.0057	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1
Xylenes, Total	<0.011		0.011	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 16:12	1
Dibromofluoromethane	109		75 - 120	10/24/15 13:20	10/28/15 16:12	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/28/15 16:12	1
Toluene-d8 (Surr)	94		75 - 122	10/24/15 13:20	10/28/15 16:12	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	☼	10/29/15 07:15	11/02/15 19:46	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Benzo[a]anthracene	0.0058	J	0.039	0.0053	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Date Collected: 10/23/15 11:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:15	11/02/15 19:46	1
Benzo[b]fluoranthene	0.021	J	0.039	0.0086	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Chrysene	0.015	J	0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Fluoranthene	0.018	J	0.039	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Date Collected: 10/23/15 11:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:15	11/02/15 19:46	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Phenanthrene	0.0094	J	0.039	0.0055	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
Pyrene	0.024	J	0.039	0.0079	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		25 - 119	10/29/15 07:15	11/02/15 19:46	1
2-Fluorophenol	84		25 - 110	10/29/15 07:15	11/02/15 19:46	1
Nitrobenzene-d5	90		25 - 115	10/29/15 07:15	11/02/15 19:46	1
Phenol-d5	62		31 - 110	10/29/15 07:15	11/02/15 19:46	1
Terphenyl-d14	139	X	36 - 134	10/29/15 07:15	11/02/15 19:46	1
2,4,6-Tribromophenol	58		35 - 137	10/29/15 07:15	11/02/15 19:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.2	0.25	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Arsenic	11		0.60	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Barium	41		0.60	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Beryllium	0.63		0.24	0.052	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Cadmium	0.14		0.12	0.035	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Chromium	14	B	0.60	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Cobalt	16		0.30	0.068	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Copper	30		0.60	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Iron	22000		12	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Lead	19		0.30	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Magnesium	25000		6.0	2.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Calcium	58000		120	39	mg/Kg	☼	11/02/15 14:12	11/03/15 23:32	10
Manganese	370	B	0.60	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Nickel	38		0.60	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Selenium	0.64		0.60	0.30	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Thallium	0.33	J	0.60	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Vanadium	18		0.30	0.088	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Zinc	53		1.2	0.38	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Potassium	2000		30	4.9	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1
Sodium	1200		60	7.9	mg/Kg	☼	11/02/15 14:12	11/03/15 17:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Barium	0.55		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 08:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 08:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 08:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Date Collected: 10/23/15 11:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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		10/29/15 11:00	10/30/15 08:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 08:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 08:56	1
Magnesium	60		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:56	1
Manganese	6.5		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Nickel	0.019	J ^	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Potassium	20		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 08:56	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 08:56	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 08:56	1
Zinc	0.14	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Barium	0.38	J	0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:28	1
Calcium	28		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:28	1
Chromium	0.072		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Cobalt	0.043		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Copper	0.14		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Iron	86		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:28	1
Lead	0.075		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:28	1
Magnesium	17		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:28	1
Manganese	1.5		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Nickel	0.10		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Potassium	21		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:28	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Vanadium	0.094		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:28	1
Zinc	0.81		0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:28	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		10/29/15 11:00	11/04/15 16:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:53	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:16	1
Thallium	0.0024		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5)

Lab Sample ID: 500-103025-36

Date Collected: 10/23/15 11:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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		10/29/15 17:00	10/30/15 12:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/29/15 18:45	10/29/15 20:37	1
pH	8.93		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Date Collected: 10/23/15 11:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.016	J	0.020	0.0038	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Chloroethane	<0.0049	*	0.0049	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/28/15 16:36	1
Dibromofluoromethane	106		75 - 120	10/24/15 13:20	10/28/15 16:36	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/28/15 16:36	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/28/15 16:36	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	☼	10/29/15 07:15	11/02/15 20:13	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Benzo[a]anthracene	0.014	J	0.040	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Date Collected: 10/23/15 11:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.016	J	0.040	0.0078	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Benzo[b]fluoranthene	0.028	J	0.040	0.0087	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Benzo[k]fluoranthene	0.019	J	0.040	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Chrysene	0.019	J	0.040	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Fluoranthene	0.029	J	0.040	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Date Collected: 10/23/15 11:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.81		0.81	0.38	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Phenanthrene	0.014	J	0.040	0.0056	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
Pyrene	0.025	J	0.040	0.0080	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	10/29/15 07:15	11/02/15 20:13	1
2-Fluorophenol	84		25 - 110	10/29/15 07:15	11/02/15 20:13	1
Nitrobenzene-d5	87		25 - 115	10/29/15 07:15	11/02/15 20:13	1
Phenol-d5	69		31 - 110	10/29/15 07:15	11/02/15 20:13	1
Terphenyl-d14	105		36 - 134	10/29/15 07:15	11/02/15 20:13	1
2,4,6-Tribromophenol	74		35 - 137	10/29/15 07:15	11/02/15 20:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Arsenic	7.9		0.57	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Barium	53		0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Beryllium	0.63		0.23	0.050	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Cadmium	0.17		0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Chromium	15	B	0.57	0.099	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Cobalt	13		0.29	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Copper	26		0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Iron	20000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Lead	19		0.29	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Magnesium	21000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Calcium	64000		110	37	mg/Kg	☼	11/02/15 14:12	11/03/15 23:36	10
Manganese	500	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Nickel	30		0.57	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Selenium	0.43	J	0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Vanadium	19		0.29	0.084	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Zinc	68		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Potassium	1900		29	4.7	mg/Kg	☼	11/02/15 14:12	11/03/15 17:08	1
Sodium	1400		57	7.6	mg/Kg	☼	11/02/15 14:12	11/03/15 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		10/29/15 11:00	10/30/15 09:03	1
Barium	0.63		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 09:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 09:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 09:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Date Collected: 10/23/15 11:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	220		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 09:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Cobalt	0.033		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Iron	0.35		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 09:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 09:03	1
Magnesium	39		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:03	1
Manganese	7.9		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Nickel	0.027		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 12:32	1
Potassium	23		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:03	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 09:03	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:03	1
Zinc	0.15	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Barium	0.58		0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:35	1
Beryllium	0.0048		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:35	1
Calcium	32		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:35	1
Chromium	0.12		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Cobalt	0.059		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Copper	0.20		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Iron	130		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:35	1
Lead	0.14		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:35	1
Magnesium	24		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:35	1
Manganese	2.0		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Nickel	0.14		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Potassium	27		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:35	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Vanadium	0.16		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:35	1
Zinc	0.40	J	0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:35	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		10/29/15 11:00	11/04/15 16:54	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:54	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:17	1
Thallium	0.0027		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (0-5) DUP

Lab Sample ID: 500-103025-37

Date Collected: 10/23/15 11:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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		10/29/15 17:00	10/30/15 12:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.0068	mg/Kg	☼	10/28/15 16:15	10/29/15 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	10/29/15 18:45	10/29/15 20:38	1
pH	8.63		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/24/15 13:20	10/28/15 17:01	1
Dibromofluoromethane	108		75 - 120	10/24/15 13:20	10/28/15 17:01	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/28/15 17:01	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 17:01	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	☼	10/29/15 07:15	11/02/15 20:41	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.039		0.039	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Fluorene	<0.039		0.039	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Methylnaphthalene	<0.039		0.039	0.0071	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.78		0.78	0.37	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		25 - 119	10/29/15 07:15	11/02/15 20:41	1
2-Fluorophenol	89		25 - 110	10/29/15 07:15	11/02/15 20:41	1
Nitrobenzene-d5	91		25 - 115	10/29/15 07:15	11/02/15 20:41	1
Phenol-d5	70		31 - 110	10/29/15 07:15	11/02/15 20:41	1
Terphenyl-d14	116		36 - 134	10/29/15 07:15	11/02/15 20:41	1
2,4,6-Tribromophenol	77		35 - 137	10/29/15 07:15	11/02/15 20:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J	1.2	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Arsenic	10		0.59	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Barium	27		0.59	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Beryllium	0.55		0.23	0.051	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Cadmium	0.12		0.12	0.034	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Chromium	13	B	0.59	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Cobalt	12		0.29	0.066	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Copper	31		0.59	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Iron	18000		12	4.5	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Lead	17		0.29	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Magnesium	26000		5.9	2.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Calcium	58000		120	38	mg/Kg	☼	11/02/15 14:12	11/03/15 23:40	10
Manganese	320	B	0.59	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Nickel	33		0.59	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Selenium	0.73		0.59	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Vanadium	15		0.29	0.086	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Zinc	56		1.2	0.37	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Potassium	1600		29	4.8	mg/Kg	☼	11/02/15 14:12	11/03/15 17:13	1
Sodium	1500		59	7.7	mg/Kg	☼	11/02/15 14:12	11/03/15 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		10/29/15 11:00	10/30/15 09:10	1
Barium	0.32	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 09:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 09:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 09:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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		10/29/15 11:00	10/30/15 09:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 09:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 09:10	1
Magnesium	91		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:10	1
Manganese	1.7		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Potassium	14		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:10	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 09:10	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:10	1
Zinc	0.13	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Barium	0.28	J	0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:42	1
Calcium	27		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:42	1
Chromium	0.080		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Cobalt	0.054		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Copper	0.19		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Iron	120		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:42	1
Lead	0.078		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:42	1
Magnesium	21		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:42	1
Manganese	0.82		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Nickel	0.16		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Potassium	21		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:42	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Vanadium	0.090		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:42	1
Zinc	0.65		0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:42	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		10/29/15 11:00	11/04/15 16:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:55	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:18	1
Thallium	0.0049		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (5-10)

Lab Sample ID: 500-103025-38

Date Collected: 10/23/15 11:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.1

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		10/29/15 17:00	10/30/15 12:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.0066	mg/Kg	☼	10/28/15 16:15	10/29/15 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	10/29/15 18:45	10/29/15 20:38	1
pH	9.18		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Date Collected: 10/23/15 11:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Vinyl acetate	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/28/15 17:26	1
Dibromofluoromethane	108		75 - 120	10/24/15 13:20	10/28/15 17:26	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/24/15 13:20	10/28/15 17:26	1
Toluene-d8 (Surr)	98		75 - 122	10/24/15 13:20	10/28/15 17:26	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	☼	10/29/15 07:15	11/05/15 01:40	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Date Collected: 10/23/15 11:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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	☼	10/29/15 07:15	11/05/15 01:40	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Chrysene	0.022	J	0.038	0.010	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Methylnaphthalene	0.021	J	0.038	0.0071	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Date Collected: 10/23/15 11:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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	0.37	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Phenanthrene	0.056		0.038	0.0054	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
Pyrene	0.012	J	0.038	0.0076	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:15	11/05/15 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/29/15 07:15	11/05/15 01:40	1
2-Fluorophenol	90		25 - 110	10/29/15 07:15	11/05/15 01:40	1
Nitrobenzene-d5	96		25 - 115	10/29/15 07:15	11/05/15 01:40	1
Phenol-d5	81		31 - 110	10/29/15 07:15	11/05/15 01:40	1
Terphenyl-d14	88		36 - 134	10/29/15 07:15	11/05/15 01:40	1
2,4,6-Tribromophenol	87		35 - 137	10/29/15 07:15	11/05/15 01:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.1	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Arsenic	6.0		0.57	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Barium	28		0.57	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Beryllium	0.55		0.23	0.050	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Cadmium	0.14		0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Chromium	14	B	0.57	0.098	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Cobalt	14		0.29	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Copper	26		0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Iron	16000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Lead	14		0.29	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Magnesium	26000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Calcium	80000		110	37	mg/Kg	☼	11/02/15 14:12	11/03/15 23:44	10
Manganese	310	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Nickel	33		0.57	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Selenium	0.54	J	0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Vanadium	16		0.29	0.083	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Zinc	54		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Potassium	2000		29	4.7	mg/Kg	☼	11/02/15 14:12	11/03/15 17:18	1
Sodium	800		57	7.5	mg/Kg	☼	11/02/15 14:12	11/03/15 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		10/29/15 11:00	10/30/15 09:16	1
Barium	0.47	J	0.50	0.050	mg/L		10/29/15 11:00	10/30/15 09:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 09:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 09:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Date Collected: 10/23/15 11:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 09:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Cobalt	0.038		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Copper	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 09:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 09:16	1
Magnesium	27		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:16	1
Manganese	1.4		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Nickel	0.11		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 12:37	1
Potassium	9.9		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:16	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 09:16	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:16	1
Zinc	0.055	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Barium	0.22	J	0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:48	1
Calcium	42		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:48	1
Chromium	0.039		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Copper	0.045		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Iron	21		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:48	1
Lead	0.019		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:48	1
Magnesium	16		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:48	1
Manganese	0.31		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Nickel	0.051		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Potassium	13		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:48	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Vanadium	0.044		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:48	1
Zinc	0.13	J	0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:48	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		10/29/15 11:00	11/04/15 16:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:56	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B05 (10-15)

Lab Sample ID: 500-103025-39

Date Collected: 10/23/15 11:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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		10/29/15 17:00	10/30/15 13:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0068	mg/Kg	☼	10/28/15 16:15	10/29/15 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/29/15 18:45	10/29/15 20:38	1
pH	7.87		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Date Collected: 10/23/15 12:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.045		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Benzene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Bromodichloromethane	<0.0052		0.0052	0.00087	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
2-Butanone (MEK)	0.0029 J		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Chloroethane	<0.0052 *		0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Chloromethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Dibromochloromethane	<0.0052		0.0052	0.00059	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,1,1,2-Tetrachloroethane	<0.0052		0.0052	0.00082	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 17:50	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/28/15 17:50	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/24/15 13:20	10/28/15 17:50	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Date Collected: 10/23/15 12:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Methylnaphthalene	<0.041		0.041	0.0076	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Date Collected: 10/23/15 12:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.050	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:15	11/02/15 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/29/15 07:15	11/02/15 21:36	1
2-Fluorophenol	88		25 - 110	10/29/15 07:15	11/02/15 21:36	1
Nitrobenzene-d5	89		25 - 115	10/29/15 07:15	11/02/15 21:36	1
Phenol-d5	67		31 - 110	10/29/15 07:15	11/02/15 21:36	1
Terphenyl-d14	102		36 - 134	10/29/15 07:15	11/02/15 21:36	1
2,4,6-Tribromophenol	78		35 - 137	10/29/15 07:15	11/02/15 21:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Arsenic	8.0		0.62	0.29	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Barium	87		0.62	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Beryllium	0.78		0.25	0.054	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Cadmium	0.16		0.12	0.036	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Chromium	16 B		0.62	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Cobalt	13		0.31	0.070	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Copper	26		0.62	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Iron	19000		12	4.8	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Lead	23		0.31	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Magnesium	6900		6.2	2.5	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Calcium	9800		12	4.0	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Manganese	310 B		0.62	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Nickel	30		0.62	0.17	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Selenium	0.45 J		0.62	0.31	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Vanadium	26		0.31	0.091	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Zinc	66		1.2	0.39	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Potassium	1200		31	5.1	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1
Sodium	280		62	8.2	mg/Kg	☼	11/02/15 14:12	11/03/15 17:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Barium	0.51		0.50	0.050	mg/L		10/29/15 11:00	10/30/15 09:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/29/15 11:00	10/30/15 09:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/29/15 11:00	10/30/15 09:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Date Collected: 10/23/15 12:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160		5.0	0.50	mg/L		10/29/15 11:00	10/30/15 09:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Cobalt	0.024	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Copper	0.010	J	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Iron	<0.20		0.20	0.20	mg/L		10/29/15 11:00	10/30/15 09:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/29/15 11:00	10/30/15 09:23	1
Magnesium	65		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:23	1
Manganese	8.2		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Nickel	0.013	J ^	0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Potassium	4.4		2.5	0.50	mg/L		10/29/15 11:00	10/30/15 09:23	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/29/15 11:00	10/30/15 09:23	1
Silver	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Vanadium	<0.025		0.025	0.010	mg/L		10/29/15 11:00	10/30/15 09:23	1
Zinc	0.24	J	0.50	0.020	mg/L		10/29/15 11:00	10/30/15 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Barium	0.37	J	0.50	0.050	mg/L		10/30/15 11:00	10/31/15 00:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 11:00	10/31/15 00:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 11:00	10/31/15 00:55	1
Calcium	21		5.0	0.50	mg/L		10/30/15 11:00	10/31/15 00:55	1
Chromium	0.057		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Cobalt	0.018	J	0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Copper	0.067		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Iron	53		0.20	0.20	mg/L		10/30/15 11:00	10/31/15 00:55	1
Lead	0.034		0.0075	0.0075	mg/L		10/30/15 11:00	10/31/15 00:55	1
Magnesium	14		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:55	1
Manganese	0.92		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Nickel	0.055		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Potassium	7.9		2.5	0.50	mg/L		10/30/15 11:00	10/31/15 00:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 11:00	10/31/15 00:55	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Vanadium	0.079		0.025	0.010	mg/L		10/30/15 11:00	10/31/15 00:55	1
Zinc	0.59		0.50	0.020	mg/L		10/30/15 11:00	10/31/15 00:55	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		10/29/15 11:00	11/04/15 16:57	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/29/15 11:00	11/04/15 16:57	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/30/15 11:00	11/04/15 19:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 11:00	11/04/15 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 10:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (0-5)

Lab Sample ID: 500-103025-40

Date Collected: 10/23/15 12:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.1

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		10/29/15 17:00	10/30/15 13:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.019	0.0065	mg/Kg	☼	10/28/15 16:15	10/29/15 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.61		0.61	0.20	mg/Kg	☼	10/29/15 18:45	10/29/15 20:38	1
pH	7.82		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Bromoform	<0.0048		0.0048	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Chloroethane	<0.0048	*	0.0048	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Chloromethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,1-Dichloroethane	<0.0048		0.0048	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Tetrachloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1
Xylenes, Total	<0.0095		0.0095	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	10/24/15 13:20	10/28/15 18:14	1
Dibromofluoromethane	108		75 - 120	10/24/15 13:20	10/28/15 18:14	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/24/15 13:20	10/28/15 18:14	1
Toluene-d8 (Surr)	99		75 - 122	10/24/15 13:20	10/28/15 18:14	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	☼	10/29/15 07:15	11/02/15 22:04	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.039		0.039	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.79		0.79	0.37	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:15	11/02/15 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	10/29/15 07:15	11/02/15 22:04	1
2-Fluorophenol	85		25 - 110	10/29/15 07:15	11/02/15 22:04	1
Nitrobenzene-d5	88		25 - 115	10/29/15 07:15	11/02/15 22:04	1
Phenol-d5	69		31 - 110	10/29/15 07:15	11/02/15 22:04	1
Terphenyl-d14	108		36 - 134	10/29/15 07:15	11/02/15 22:04	1
2,4,6-Tribromophenol	71		35 - 137	10/29/15 07:15	11/02/15 22:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.23	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Arsenic	6.5		0.56	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Barium	29		0.56	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Beryllium	0.56		0.22	0.049	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Cadmium	0.12		0.11	0.032	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Cobalt	9.4		0.28	0.063	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Copper	24		0.56	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Iron	17000		11	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Lead	14		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Magnesium	23000		5.6	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Calcium	33000		11	3.6	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Manganese	220	B	0.56	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Nickel	30		0.56	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Selenium	0.43	J	0.56	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Thallium	0.31	J	0.56	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Vanadium	15		0.28	0.082	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Zinc	50		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Potassium	1700		28	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1
Sodium	520		56	7.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Barium	0.20	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 16:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 16:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.5

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		10/30/15 10:30	10/30/15 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 16:57	1
Magnesium	110		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 16:57	1
Manganese	0.90		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Potassium	3.6	F1	2.5	0.50	mg/L		10/30/15 10:30	10/30/15 16:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 16:57	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 16:57	1
Zinc	0.048	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Barium	0.13	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:04	1
Calcium	21		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:04	1
Chromium	0.010	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Copper	0.021	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Iron	4.6		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:04	1
Magnesium	6.4		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:04	1
Manganese	0.081		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Potassium	3.2		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:04	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:04	1
Zinc	0.26	J	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 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		10/30/15 10:30	11/05/15 12:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:47	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:08	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (5-10)

Lab Sample ID: 500-103025-41

Date Collected: 10/23/15 12:40

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.5

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		10/30/15 16:30	11/02/15 09:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0069	mg/Kg	☼	10/28/15 16:15	10/29/15 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/29/15 18:45	10/29/15 20:39	1
pH	8.18		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Date Collected: 10/23/15 12:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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	☼	10/24/15 13:20	10/28/15 18:38	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Bromodichloromethane	<0.0045		0.0045	0.00077	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Bromoform	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,1-Dichloroethene	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/24/15 13:20	10/28/15 18:38	1
Dibromofluoromethane	108		75 - 120	10/24/15 13:20	10/28/15 18:38	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/28/15 18:38	1
Toluene-d8 (Surr)	97		75 - 122	10/24/15 13:20	10/28/15 18:38	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	☼	10/29/15 07:24	11/02/15 16:04	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Date Collected: 10/23/15 12:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Methylnaphthalene	0.041		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Date Collected: 10/23/15 12:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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	☼	10/29/15 07:24	11/02/15 16:04	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Phenanthrene	0.070		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	96		25 - 119	10/29/15 07:24	11/02/15 16:04	1
2-Fluorophenol	94		25 - 110	10/29/15 07:24	11/02/15 16:04	1
Nitrobenzene-d5	98		25 - 115	10/29/15 07:24	11/02/15 16:04	1
Phenol-d5	84		31 - 110	10/29/15 07:24	11/02/15 16:04	1
Terphenyl-d14	79		36 - 134	10/29/15 07:24	11/02/15 16:04	1
2,4,6-Tribromophenol	59		35 - 137	10/29/15 07:24	11/02/15 16:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.1	0.23	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Arsenic	6.0		0.55	0.25	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Barium	30		0.55	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Beryllium	0.59		0.22	0.047	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Cadmium	0.11		0.11	0.032	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Chromium	15	B	0.55	0.094	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Cobalt	13		0.27	0.062	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Copper	23		0.55	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Iron	16000		11	4.2	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Lead	13		0.27	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Magnesium	25000		5.5	2.2	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Calcium	72000		110	35	mg/Kg	☼	11/02/15 14:12	11/03/15 23:48	10
Manganese	270	B	0.55	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Nickel	35		0.55	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Thallium	0.32	J	0.55	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Vanadium	17		0.27	0.080	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Zinc	53		1.1	0.35	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Potassium	2100		27	4.5	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	1
Sodium	220		55	7.2	mg/Kg	☼	11/02/15 14:12	11/03/15 17:33	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		10/30/15 10:30	10/30/15 17:24	1
Barium	0.43	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 17:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 17:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Date Collected: 10/23/15 12:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 17:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Cobalt	0.024	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Copper	0.013	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 17:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 17:24	1
Magnesium	25		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:24	1
Manganese	1.2		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Nickel	0.086		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Potassium	10		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 17:24	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:24	1
Zinc	0.44	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Barium	0.16	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:08	1
Calcium	68		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:08	1
Chromium	0.014	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Copper	0.027		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Iron	5.9		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:08	1
Magnesium	13		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:08	1
Manganese	0.32		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Nickel	0.027		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Potassium	5.6		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:08	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Vanadium	0.017	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:08	1
Zinc	0.81		0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:08	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		10/30/15 10:30	11/05/15 12:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:50	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (10-15)

Lab Sample ID: 500-103025-42

Date Collected: 10/23/15 12:45

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 86.1

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		10/30/15 16:30	11/02/15 09:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	10/29/15 18:45	10/29/15 20:39	1
pH	7.96		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.8

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	☼	10/24/15 13:20	10/28/15 19:02	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Chloroethane	<0.0045	*	0.0045	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/28/15 19:02	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/28/15 19:02	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/28/15 19:02	1
Toluene-d8 (Surr)	98		75 - 122	10/24/15 13:20	10/28/15 19:02	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	☼	10/29/15 07:24	11/02/15 16:32	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.038		0.038	0.0074	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Methylnaphthalene	0.10		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Naphthalene	0.032 J		0.038	0.0059	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:24	11/02/15 16:32	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Phenanthrene	0.068		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		25 - 119	10/29/15 07:24	11/02/15 16:32	1
2-Fluorophenol	83		25 - 110	10/29/15 07:24	11/02/15 16:32	1
Nitrobenzene-d5	88		25 - 115	10/29/15 07:24	11/02/15 16:32	1
Phenol-d5	75		31 - 110	10/29/15 07:24	11/02/15 16:32	1
Terphenyl-d14	83		36 - 134	10/29/15 07:24	11/02/15 16:32	1
2,4,6-Tribromophenol	53		35 - 137	10/29/15 07:24	11/02/15 16:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Arsenic	5.8		0.57	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Barium	34		0.57	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Beryllium	0.55		0.23	0.049	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Cadmium	0.12		0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Chromium	14	B	0.57	0.097	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Cobalt	12		0.28	0.064	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Copper	23		0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Iron	16000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Lead	13		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Magnesium	28000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Calcium	84000		110	36	mg/Kg	☼	11/02/15 14:12	11/03/15 23:52	10
Manganese	290	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Nickel	30		0.57	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Selenium	0.29	J	0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Vanadium	16		0.28	0.083	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Zinc	51		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Potassium	2000		28	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1
Sodium	160		57	7.5	mg/Kg	☼	11/02/15 14:12	11/03/15 17:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Barium	0.54		0.50	0.050	mg/L		10/30/15 10:30	10/30/15 17:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 17:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 17:31	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 17:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Copper	0.013	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 17:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 17:31	1
Magnesium	25		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:31	1
Manganese	1.6		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Nickel	0.044		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Potassium	10		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 17:31	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:31	1
Zinc	0.28	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Barium	0.11	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:12	1
Calcium	24		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Copper	0.019	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Iron	1.4		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:12	1
Magnesium	6.7		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:12	1
Manganese	0.056		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Potassium	3.2		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:12	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:12	1
Zinc	0.12	J	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:12	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		10/30/15 10:30	11/05/15 12:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:51	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B06 (15-21)

Lab Sample ID: 500-103025-43

Date Collected: 10/23/15 12:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.8

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		10/30/15 16:30	11/02/15 09:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0060	mg/Kg	☼	10/28/15 16:15	10/29/15 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:51	1
pH	7.99		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Date Collected: 10/23/15 13:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/28/15 19:27	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/28/15 19:27	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/28/15 19:27	1
Toluene-d8 (Surr)	98		75 - 122	10/24/15 13:20	10/28/15 19:27	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	☼	10/29/15 07:24	11/02/15 12:23	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Date Collected: 10/23/15 13:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.9

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	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Date Collected: 10/23/15 13:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.9

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	☼	10/29/15 07:24	11/02/15 12:23	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/29/15 07:24	11/02/15 12:23	1
2-Fluorophenol	85		25 - 110	10/29/15 07:24	11/02/15 12:23	1
Nitrobenzene-d5	89		25 - 115	10/29/15 07:24	11/02/15 12:23	1
Phenol-d5	76		31 - 110	10/29/15 07:24	11/02/15 12:23	1
Terphenyl-d14	94		36 - 134	10/29/15 07:24	11/02/15 12:23	1
2,4,6-Tribromophenol	60		35 - 137	10/29/15 07:24	11/02/15 12:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	1.1	0.23	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Arsenic	23		0.56	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Barium	37		0.56	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Beryllium	0.60		0.22	0.048	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Cadmium	0.21		0.11	0.032	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Chromium	13	B	0.56	0.096	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Cobalt	17		0.28	0.063	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Copper	31		0.56	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Iron	22000		11	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Lead	30		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Magnesium	22000		5.6	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Calcium	62000		110	36	mg/Kg	☼	11/02/15 14:12	11/03/15 23:56	10
Manganese	550	B	0.56	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Nickel	41		0.56	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Selenium	0.46	J	0.56	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Vanadium	17		0.28	0.082	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Zinc	65		1.1	0.35	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Potassium	1500		28	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	1
Sodium	720		56	7.4	mg/Kg	☼	11/02/15 14:12	11/03/15 17:43	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		10/30/15 10:30	10/30/15 17:37	1
Barium	0.41	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 17:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 17:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 17:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Date Collected: 10/23/15 13:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.9

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		10/30/15 10:30	10/30/15 17:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 17:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 17:37	1
Magnesium	60		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:37	1
Manganese	6.1		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Nickel	0.019	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Potassium	4.3		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 17:37	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:37	1
Zinc	0.14	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Barium	0.17	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:16	1
Calcium	22		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Copper	0.022	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Iron	3.3		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:16	1
Magnesium	7.3		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:16	1
Manganese	0.40		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Potassium	2.4	J	2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:16	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:16	1
Zinc	0.46	J	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 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		10/30/15 10:30	11/05/15 12:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:52	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (0-5)

Lab Sample ID: 500-103025-44

Date Collected: 10/23/15 13:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.9

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		10/30/15 16:30	11/02/15 09:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.047		0.019	0.0067	mg/Kg	☼	10/28/15 16:15	10/29/15 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:52	1
pH	8.10		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Chloroethane	<0.0046	*	0.0046	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/28/15 19:51	1
Dibromofluoromethane	107		75 - 120	10/24/15 13:20	10/28/15 19:51	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/24/15 13:20	10/28/15 19:51	1
Toluene-d8 (Surr)	100		75 - 122	10/24/15 13:20	10/28/15 19:51	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	☼	10/29/15 07:24	11/02/15 17:00	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.4

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	0.0072	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.4

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	☼	10/29/15 07:24	11/02/15 17:00	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Phenanthrene	0.054		0.037	0.0052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		25 - 119	10/29/15 07:24	11/02/15 17:00	1
2-Fluorophenol	79		25 - 110	10/29/15 07:24	11/02/15 17:00	1
Nitrobenzene-d5	86		25 - 115	10/29/15 07:24	11/02/15 17:00	1
Phenol-d5	70		31 - 110	10/29/15 07:24	11/02/15 17:00	1
Terphenyl-d14	77		36 - 134	10/29/15 07:24	11/02/15 17:00	1
2,4,6-Tribromophenol	49		35 - 137	10/29/15 07:24	11/02/15 17:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.1	0.23	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Arsenic	6.1		0.56	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Barium	23		0.56	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Beryllium	0.60		0.22	0.048	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Cadmium	0.15		0.11	0.032	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Cobalt	16		0.28	0.063	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Copper	25		0.56	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Iron	16000		11	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Lead	14		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Magnesium	26000		5.6	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Calcium	70000		110	36	mg/Kg	☼	11/02/15 14:12	11/04/15 00:08	10
Manganese	280	B	0.56	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Nickel	39		0.56	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Selenium	0.32	J	0.56	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Thallium	0.77		0.56	0.27	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Vanadium	18		0.28	0.081	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Zinc	60		1.1	0.35	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Potassium	2200		28	4.5	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	1
Sodium	270		56	7.3	mg/Kg	☼	11/02/15 14:12	11/03/15 17:56	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		10/30/15 10:30	10/30/15 17:44	1
Barium	0.27	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 17:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 17:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 17:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 17:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 17:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 17:44	1
Magnesium	34		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:44	1
Manganese	1.4		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Nickel	0.053		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Potassium	7.6		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 17:44	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:44	1
Zinc	0.15	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Barium	0.065	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:20	1
Calcium	35		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Copper	0.014	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Iron	0.25		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:20	1
Magnesium	10		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:20	1
Manganese	0.021	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Potassium	2.0	J	2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:20	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:20	1
Zinc	0.089	J	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:20	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		10/30/15 10:30	11/05/15 12:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:55	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (5-10)

Lab Sample ID: 500-103025-45

Date Collected: 10/23/15 13:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 84.4

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		10/30/15 16:30	11/02/15 09:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.018	0.0064	mg/Kg	☼	10/28/15 16:15	10/29/15 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:52	1
pH	7.73		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Chloroethane	<0.0050	*	0.0050	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,1,1,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/28/15 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/24/15 13:20	10/28/15 20:15	1
Dibromofluoromethane	104		75 - 120	10/24/15 13:20	10/28/15 20:15	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/28/15 20:15	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/28/15 20:15	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	☼	10/29/15 07:24	11/02/15 17:27	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Methylnaphthalene	0.027	J	0.039	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:24	11/02/15 17:27	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Phenanthrene	0.075		0.039	0.0055	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	10/29/15 07:24	11/02/15 17:27	1
2-Fluorophenol	82		25 - 110	10/29/15 07:24	11/02/15 17:27	1
Nitrobenzene-d5	84		25 - 115	10/29/15 07:24	11/02/15 17:27	1
Phenol-d5	75		31 - 110	10/29/15 07:24	11/02/15 17:27	1
Terphenyl-d14	92		36 - 134	10/29/15 07:24	11/02/15 17:27	1
2,4,6-Tribromophenol	47		35 - 137	10/29/15 07:24	11/02/15 17:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.1	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Arsenic	6.5		0.57	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Barium	36		0.57	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Beryllium	0.55		0.23	0.049	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Cadmium	0.085	J	0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Chromium	15	B	0.57	0.098	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Cobalt	12		0.28	0.064	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Copper	24		0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Iron	16000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Lead	13		0.28	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Magnesium	24000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Calcium	74000		110	37	mg/Kg	☼	11/02/15 14:12	11/04/15 00:12	10
Manganese	290	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Nickel	31		0.57	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Vanadium	16		0.28	0.083	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Zinc	47		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Potassium	2000		28	4.6	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	1
Sodium	140		57	7.5	mg/Kg	☼	11/02/15 14:12	11/03/15 18:01	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		10/30/15 10:30	10/30/15 17:57	1
Barium	0.56		0.50	0.050	mg/L		10/30/15 10:30	10/30/15 17:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 17:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 17:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 17:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Copper	0.014	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 17:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 17:57	1
Magnesium	23		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:57	1
Manganese	1.5		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Nickel	0.045		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Potassium	9.6		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 17:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 17:57	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 17:57	1
Zinc	0.33	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Barium	0.11	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:32	1
Calcium	25		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Copper	0.027		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Iron	0.71		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:32	1
Magnesium	7.5		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:32	1
Manganese	0.048		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Potassium	2.8		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:32	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:32	1
Zinc	0.50		0.50	0.020	mg/L		10/30/15 12:00	11/03/15 14:13	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		10/30/15 10:30	11/05/15 12:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:55	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B07 (10-15)

Lab Sample ID: 500-103025-46

Date Collected: 10/23/15 13:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 83.2

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		10/30/15 16:30	11/02/15 09:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	11/02/15 15:40	11/02/15 18:52	1
pH	7.65		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Date Collected: 10/23/15 13:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/24/15 13:20	10/28/15 20:40	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/28/15 20:40	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/24/15 13:20	10/28/15 20:40	1
Toluene-d8 (Surr)	93		75 - 122	10/24/15 13:20	10/28/15 20:40	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	☼	10/29/15 07:24	11/05/15 02:07	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Benzo[a]anthracene	0.015	J	0.038	0.0051	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Date Collected: 10/23/15 13:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.2

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	0.038	0.0073	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Benzo[b]fluoranthene	0.038		0.038	0.0082	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Benzo[g,h,i]perylene	0.014	J	0.038	0.012	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Benzo[k]fluoranthene	0.020	J	0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Chrysene	0.027	J	0.038	0.010	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Fluoranthene	0.035	J	0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Indeno[1,2,3-cd]pyrene	0.011	J	0.038	0.0098	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Date Collected: 10/23/15 13:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.2

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	☼	10/29/15 07:24	11/05/15 02:07	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Phenanthrene	0.012	J	0.038	0.0053	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
Pyrene	0.034	J	0.038	0.0075	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/05/15 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/29/15 07:24	11/05/15 02:07	1
2-Fluorophenol	86		25 - 110	10/29/15 07:24	11/05/15 02:07	1
Nitrobenzene-d5	87		25 - 115	10/29/15 07:24	11/05/15 02:07	1
Phenol-d5	57		31 - 110	10/29/15 07:24	11/05/15 02:07	1
Terphenyl-d14	80		36 - 134	10/29/15 07:24	11/05/15 02:07	1
2,4,6-Tribromophenol	69		35 - 137	10/29/15 07:24	11/05/15 02:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.1	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Arsenic	9.3		0.57	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Barium	49		0.57	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Beryllium	0.64		0.23	0.050	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Cadmium	0.13		0.11	0.033	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Chromium	15	B	0.57	0.099	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Cobalt	13		0.29	0.065	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Copper	27		0.57	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Iron	19000		11	4.4	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Lead	33		0.29	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Magnesium	12000		5.7	2.3	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Calcium	20000		11	3.7	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Manganese	340	B	0.57	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Nickel	33		0.57	0.16	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Vanadium	20		0.29	0.084	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Zinc	65		1.1	0.36	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Potassium	1300		29	4.7	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1
Sodium	1500		57	7.6	mg/Kg	☼	11/02/15 14:12	11/03/15 18:06	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Barium	0.35	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 18:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 18:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 18:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Date Collected: 10/23/15 13:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.2

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		10/30/15 10:30	10/30/15 18:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Iron	0.21		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 18:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 18:04	1
Magnesium	70		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:04	1
Manganese	3.6		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Nickel	0.012	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Potassium	3.9		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 18:04	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:04	1
Zinc	0.077	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.097		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Barium	0.53		0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:36	1
Beryllium	0.0064		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:36	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:36	1
Calcium	34		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:36	1
Chromium	0.14		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Cobalt	0.083		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Copper	0.27		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Iron	190		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:36	1
Lead	0.43		0.038	0.038	mg/L		10/30/15 12:00	11/03/15 14:22	5
Magnesium	31		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:36	1
Manganese	1.8		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Nickel	0.26		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Potassium	20		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:36	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Vanadium	0.20		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:36	1
Zinc	0.73		0.50	0.020	mg/L		10/30/15 12:00	11/03/15 14:17	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		10/30/15 10:30	11/05/15 12:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 12:56	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:16	1
Thallium	0.0047		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B08 (0-6)

Lab Sample ID: 500-103025-47

Date Collected: 10/23/15 13:50

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.2

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		10/30/15 16:30	11/02/15 09:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.019	0.0068	mg/Kg	☼	10/28/15 16:15	10/29/15 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:53	1
pH	8.80		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.6

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	☼	10/24/15 13:20	10/28/15 21:03	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Bromodichloromethane	<0.0049		0.0049	0.00083	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Chloroethane	<0.0049	*	0.0049	0.0021	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00096	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	10/24/15 13:20	10/28/15 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/24/15 13:20	10/28/15 21:03	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/28/15 21:03	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/24/15 13:20	10/28/15 21:03	1
Toluene-d8 (Surr)	95		75 - 122	10/24/15 13:20	10/28/15 21:03	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	☼	10/29/15 07:24	11/02/15 14:14	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.036		0.036	0.0071	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

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	☼	10/29/15 07:24	11/02/15 14:14	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/29/15 07:24	11/02/15 14:14	1
2-Fluorophenol	81		25 - 110	10/29/15 07:24	11/02/15 14:14	1
Nitrobenzene-d5	83		25 - 115	10/29/15 07:24	11/02/15 14:14	1
Phenol-d5	64		31 - 110	10/29/15 07:24	11/02/15 14:14	1
Terphenyl-d14	116		36 - 134	10/29/15 07:24	11/02/15 14:14	1
2,4,6-Tribromophenol	37		35 - 137	10/29/15 07:24	11/02/15 14:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	1.1	0.22	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Arsenic	10		0.53	0.25	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Barium	41		0.53	0.097	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Beryllium	0.61		0.21	0.046	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Cadmium	0.17		0.11	0.031	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Chromium	12	B	0.53	0.092	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Cobalt	12		0.27	0.060	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Copper	27		0.53	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Iron	18000		11	4.1	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Lead	24		0.27	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Magnesium	15000		5.3	2.2	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Calcium	24000		11	3.4	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Manganese	340	B	0.53	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Nickel	29		0.53	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Selenium	0.51	J	0.53	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Silver	<0.27		0.27	0.062	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Vanadium	17		0.27	0.078	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Zinc	67		1.1	0.34	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Potassium	1100		27	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1
Sodium	1200		53	7.0	mg/Kg	☼	11/02/15 14:12	11/03/15 18:11	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Barium	0.36	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 18:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 18:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 18:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 18:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Copper	0.012	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 18:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 18:43	1
Magnesium	71		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:43	1
Manganese	1.8		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Potassium	3.7		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 18:43	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:43	1
Zinc	0.28	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Barium	0.26	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:41	1
Calcium	28		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:41	1
Chromium	0.051		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Copper	0.089		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Iron	59		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:41	1
Lead	0.041		0.038	0.038	mg/L		10/30/15 12:00	11/03/15 14:30	5
Magnesium	15		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:41	1
Manganese	0.48		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Nickel	0.067		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Potassium	8.6		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:41	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:41	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Vanadium	0.073		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:41	1
Zinc	0.49	J	0.50	0.020	mg/L		10/30/15 12:00	11/03/15 14:26	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		10/30/15 10:30	11/05/15 13:01	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:01	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:30	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B09 (0-6)

Lab Sample ID: 500-103025-48

Date Collected: 10/23/15 14:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.6

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		10/30/15 16:30	11/02/15 09:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0068	mg/Kg	☼	10/28/15 16:15	10/29/15 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:53	1
pH	8.44		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Date Collected: 10/23/15 14:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Chloroethane	<0.0047 *		0.0047	0.0020	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.0013	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	✱	10/24/15 13:20	10/29/15 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/24/15 13:20	10/29/15 12:25	1
Dibromofluoromethane	103		75 - 120	10/24/15 13:20	10/29/15 12:25	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/24/15 13:20	10/29/15 12:25	1
Toluene-d8 (Surr)	99		75 - 122	10/24/15 13:20	10/29/15 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	✱	10/29/15 07:24	11/02/15 12:50	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	✱	10/29/15 07:24	11/02/15 12:50	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	✱	10/29/15 07:24	11/02/15 12:50	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	✱	10/29/15 07:24	11/02/15 12:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Date Collected: 10/23/15 14:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.041		0.041	0.0080	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Methylnaphthalene	<0.041		0.041	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Date Collected: 10/23/15 14:30

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.83		0.83	0.39	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	10/29/15 07:24	11/02/15 12:50	1
2-Fluorophenol	88		25 - 110	10/29/15 07:24	11/02/15 12:50	1
Nitrobenzene-d5	90		25 - 115	10/29/15 07:24	11/02/15 12:50	1
Phenol-d5	70		31 - 110	10/29/15 07:24	11/02/15 12:50	1
Terphenyl-d14	109		36 - 134	10/29/15 07:24	11/02/15 12:50	1
2,4,6-Tribromophenol	69		35 - 137	10/29/15 07:24	11/02/15 12:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.2	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Arsenic	11		0.62	0.28	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Barium	35		0.62	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Beryllium	0.73		0.25	0.053	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Cadmium	0.094	J	0.12	0.036	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Chromium	17	B	0.62	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Cobalt	16		0.31	0.070	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Copper	37		0.62	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Iron	22000		12	4.7	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Lead	22		0.31	0.15	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Magnesium	12000		6.2	2.5	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Calcium	17000		12	4.0	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Manganese	380	B	0.62	0.12	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Nickel	120		0.62	0.17	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Selenium	0.82		0.62	0.30	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Silver	<0.31		0.31	0.072	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Thallium	<0.62		0.62	0.30	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Vanadium	22		0.31	0.090	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Zinc	240		1.2	0.39	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Potassium	1200		31	5.0	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	1
Sodium	1300		62	8.1	mg/Kg	☼	11/02/15 14:12	11/03/15 18:16	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		10/30/15 10:30	10/30/15 18:50	1
Barium	0.26	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 18:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 18:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 18:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Date Collected: 10/23/15 14:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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		10/30/15 10:30	10/30/15 18:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 18:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 18:50	1
Magnesium	100		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:50	1
Manganese	1.2		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Potassium	3.2		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 18:50	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:50	1
Zinc	0.10	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Barium	0.33	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:45	1
Beryllium	0.0054		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:45	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:45	1
Calcium	27		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:45	1
Chromium	0.12		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Cobalt	0.034		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Copper	0.20		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Iron	140		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:45	1
Lead	0.073		0.038	0.038	mg/L		10/30/15 12:00	11/03/15 14:34	5
Magnesium	24		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:45	1
Manganese	0.50		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Nickel	0.17		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Potassium	13		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:45	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Vanadium	0.16		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:45	1
Zinc	0.45	J ^	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:45	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		10/30/15 10:30	11/05/15 13:01	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:01	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:20	1
Thallium	0.0033		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6)

Lab Sample ID: 500-103025-49

Date Collected: 10/23/15 14:30

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 80.8

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		10/30/15 16:30	11/02/15 09:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.020	0.0070	mg/Kg	☼	10/28/15 16:15	10/29/15 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.61		0.61	0.20	mg/Kg	☼	11/02/15 15:40	11/02/15 18:54	1
pH	7.94		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Date Collected: 10/23/15 14:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 90.0

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	☼	10/24/15 13:20	10/29/15 12:49	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Bromoform	<0.0043		0.0043	0.00087	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Chloroethane	<0.0043	*	0.0043	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Chloroform	<0.0043		0.0043	0.00083	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00087	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,2-Dichloroethane	<0.0043		0.0043	0.00063	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,3-Dichloropropane, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.00099	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 122	10/24/15 13:20	10/29/15 12:49	1
Dibromofluoromethane	103		75 - 120	10/24/15 13:20	10/29/15 12:49	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/24/15 13:20	10/29/15 12:49	1
Toluene-d8 (Surr)	99		75 - 122	10/24/15 13:20	10/29/15 12:49	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	☼	10/29/15 07:24	11/02/15 22:32	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Benzo[a]anthracene	<0.034		0.034	0.0047	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Date Collected: 10/23/15 14:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.034		0.034	0.0067	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Benzo[b]fluoranthene	<0.034		0.034	0.0075	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Benzo[g,h,i]perylene	0.028	J	0.034	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Butyl benzyl phthalate	<0.17		0.17	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Carbazole	<0.17		0.17	0.087	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Chlorophenol	<0.17		0.17	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Chrysene	<0.034		0.034	0.0095	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Dibenzofuran	<0.17		0.17	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
1,4-Dichlorobenzene	<0.17		0.17	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4-Dichlorophenol	<0.34		0.34	0.082	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Diethyl phthalate	<0.17		0.17	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Di-n-butyl phthalate	<0.17		0.17	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4,6-Dinitro-2-methylphenol	<0.70		0.70	0.28	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4-Dinitrophenol	<0.70		0.70	0.61	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4-Dinitrotoluene	<0.17		0.17	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,6-Dinitrotoluene	<0.17		0.17	0.068	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Di-n-octyl phthalate	<0.17		0.17	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Hexachlorobenzene	<0.070		0.070	0.0080	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Hexachlorobutadiene	<0.17		0.17	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Hexachloroethane	<0.17		0.17	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0090	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Isophorone	<0.17		0.17	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Methylnaphthalene	<0.034		0.034	0.0064	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Methylphenol	<0.17		0.17	0.056	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
3 & 4 Methylphenol	<0.17		0.17	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Nitroaniline	<0.17		0.17	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
4-Nitroaniline	<0.34		0.34	0.15	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Nitrobenzene	<0.034		0.034	0.0087	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2-Nitrophenol	<0.34		0.34	0.082	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Date Collected: 10/23/15 14:35

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.70		0.70	0.33	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
N-Nitrosodiphenylamine	<0.17		0.17	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Pentachlorophenol	<0.70		0.70	0.56	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Phenol	<0.17		0.17	0.077	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
Pyrene	<0.034		0.034	0.0069	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4,5-Trichlorophenol	<0.34		0.34	0.079	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	10/29/15 07:24	11/02/15 22:32	1
2-Fluorophenol	87		25 - 110	10/29/15 07:24	11/02/15 22:32	1
Nitrobenzene-d5	89		25 - 115	10/29/15 07:24	11/02/15 22:32	1
Phenol-d5	75		31 - 110	10/29/15 07:24	11/02/15 22:32	1
Terphenyl-d14	166	X	36 - 134	10/29/15 07:24	11/02/15 22:32	1
2,4,6-Tribromophenol	45		35 - 137	10/29/15 07:24	11/02/15 22:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.0	0.22	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Arsenic	12		0.52	0.24	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Barium	39		0.52	0.096	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Beryllium	0.43		0.21	0.045	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Cadmium	0.25		0.10	0.030	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Chromium	8.8	B	0.52	0.090	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Cobalt	12		0.26	0.059	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Copper	30		0.52	0.11	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Iron	15000		10	4.0	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Lead	19		0.26	0.13	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Magnesium	32000		5.2	2.1	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Calcium	75000		100	34	mg/Kg	☼	11/02/15 14:12	11/04/15 00:16	10
Manganese	470	B	0.52	0.10	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Nickel	28		0.52	0.14	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Vanadium	13		0.26	0.077	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Zinc	130		1.0	0.33	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Potassium	1100		26	4.3	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	1
Sodium	630		52	6.9	mg/Kg	☼	11/02/15 14:12	11/03/15 18:21	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		10/30/15 10:30	10/30/15 18:57	1
Barium	0.30	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 18:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 18:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 18:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Date Collected: 10/23/15 14:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 90.0

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		10/30/15 10:30	10/30/15 18:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Copper	0.011	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 18:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 18:57	1
Magnesium	76		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:57	1
Manganese	0.82		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Potassium	3.5		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 18:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 18:57	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 18:57	1
Zinc	0.17	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Barium	0.13	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:49	1
Calcium	21		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Copper	0.030		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Iron	3.6		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:49	1
Magnesium	6.3		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:49	1
Manganese	0.066		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Potassium	2.1	J	2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:49	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:49	1
Zinc	0.31	J ^	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:49	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		10/30/15 10:30	11/05/15 13:02	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:02	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B10 (0-6) DUP

Lab Sample ID: 500-103025-50

Date Collected: 10/23/15 14:35

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 90.0

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		10/30/15 16:30	11/02/15 09:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.017	0.0061	mg/Kg	☼	10/28/15 16:15	10/29/15 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	11/02/15 15:40	11/02/15 18:54	1
pH	8.24		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6)

Lab Sample ID: 500-103025-51

Date Collected: 10/23/15 15:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Chloroethane	<0.0047	*	0.0047	0.0020	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.0013	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	✪	10/24/15 13:20	10/29/15 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/24/15 13:20	10/29/15 13:13	1
Dibromofluoromethane	99		75 - 120	10/24/15 13:20	10/29/15 13:13	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/24/15 13:20	10/29/15 13:13	1
Toluene-d8 (Surr)	101		75 - 122	10/24/15 13:20	10/29/15 13:13	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	✪	10/29/15 07:24	11/02/15 13:18	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✪	10/29/15 07:24	11/02/15 13:18	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✪	10/29/15 07:24	11/02/15 13:18	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✪	10/29/15 07:24	11/02/15 13:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6)

Lab Sample ID: 500-103025-51

Date Collected: 10/23/15 15:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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	☼	10/29/15 07:24	11/02/15 13:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/29/15 07:24	11/02/15 13:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6)

Date Collected: 10/23/15 15:05

Date Received: 10/24/15 08:50

Lab Sample ID: 500-103025-51

Matrix: Solid

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
Phenanthrene	0.0091	J	0.039	0.0055	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
Phenol	<0.20		0.20	0.088	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	⊛	10/29/15 07:24	11/02/15 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/29/15 07:24	11/02/15 13:18	1
2-Fluorophenol	81		25 - 110	10/29/15 07:24	11/02/15 13:18	1
Nitrobenzene-d5	85		25 - 115	10/29/15 07:24	11/02/15 13:18	1
Phenol-d5	68		31 - 110	10/29/15 07:24	11/02/15 13:18	1
Terphenyl-d14	84		36 - 134	10/29/15 07:24	11/02/15 13:18	1
2,4,6-Tribromophenol	62		35 - 137	10/29/15 07:24	11/02/15 13:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J F1 B	1.2	0.25	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Arsenic	21		0.60	0.28	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Barium	110	F1	0.60	0.11	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Beryllium	0.77		0.24	0.052	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Cadmium	0.16		0.12	0.035	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Chromium	18	B	0.60	0.10	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Cobalt	25		0.30	0.068	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Copper	29	F1	0.60	0.13	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Iron	33000	B	12	4.6	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Lead	17		0.30	0.15	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Magnesium	12000		6.0	2.4	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Calcium	15000		12	3.9	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Manganese	670		0.60	0.12	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Nickel	45		0.60	0.16	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Selenium	0.89	F1	0.60	0.30	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Silver	<0.30		0.30	0.070	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Thallium	<0.60		0.60	0.30	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Vanadium	25	F1	0.30	0.088	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Zinc	73		1.2	0.38	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Potassium	2100		30	4.9	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	1
Sodium	850	F1	60	7.9	mg/Kg	⊛	11/02/15 14:36	11/03/15 18:26	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		10/30/15 10:30	10/30/15 19:04	1
Barium	0.35	J	0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6)

Lab Sample ID: 500-103025-51

Date Collected: 10/23/15 15:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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		10/30/15 10:30	10/30/15 19:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Copper	0.015	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:04	1
Magnesium	74		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:04	1
Manganese	0.49		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Potassium	3.9		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:04	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:04	1
Zinc	0.092	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Barium	0.099	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:53	1
Calcium	19		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Copper	0.018	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Iron	3.6		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 19:53	1
Magnesium	5.9		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:53	1
Manganese	0.046		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Potassium	2.1	J	2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:53	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:53	1
Zinc	0.11	J ^	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 19:53	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		10/30/15 10:30	11/05/15 13:03	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:03	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B11 (0-6)

Lab Sample ID: 500-103025-51

Date Collected: 10/23/15 15:05

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 82.7

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		10/30/15 16:30	11/02/15 09:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.018	0.0063	mg/Kg	☼	10/28/15 16:15	10/29/15 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:55	1
pH	7.80		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5)

Date Collected: 10/23/15 15:15

Date Received: 10/24/15 08:50

Lab Sample ID: 500-103025-52

Matrix: Solid

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Benzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Bromodichloromethane	<0.0052		0.0052	0.00088	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
2-Butanone (MEK)	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Chloroethane	<0.0052	*	0.0052	0.0022	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Chloromethane	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,3-Dichloropropene, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00083	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/24/15 13:20	10/29/15 13:37	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/29/15 13:37	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/24/15 13:20	10/29/15 13:37	1
Toluene-d8 (Surr)	96		75 - 122	10/24/15 13:20	10/29/15 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	0.0075	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Anthracene	0.0085	J	0.041	0.0070	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Benzo[a]anthracene	0.050		0.041	0.0056	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5)

Lab Sample ID: 500-103025-52

Date Collected: 10/23/15 15:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.064		0.041	0.0081	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Benzo[b]fluoranthene	0.12		0.041	0.0090	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Benzo[g,h,i]perylene	0.034	J	0.041	0.013	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Benzo[k]fluoranthene	0.044		0.041	0.012	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Chrysene	0.071		0.041	0.011	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Fluoranthene	0.13		0.041	0.0077	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Fluorene	<0.041		0.041	0.0059	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Indeno[1,2,3-cd]pyrene	0.042		0.041	0.011	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Methylnaphthalene	<0.041		0.041	0.0077	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5)

Lab Sample ID: 500-103025-52

Date Collected: 10/23/15 15:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.051	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Phenanthrene	0.044		0.041	0.0058	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
Pyrene	0.087		0.041	0.0083	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/29/15 07:24	11/05/15 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/29/15 07:24	11/05/15 02:35	1
2-Fluorophenol	88		25 - 110	10/29/15 07:24	11/05/15 02:35	1
Nitrobenzene-d5	92		25 - 115	10/29/15 07:24	11/05/15 02:35	1
Phenol-d5	79		31 - 110	10/29/15 07:24	11/05/15 02:35	1
Terphenyl-d14	85		36 - 134	10/29/15 07:24	11/05/15 02:35	1
2,4,6-Tribromophenol	48		35 - 137	10/29/15 07:24	11/05/15 02:35	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	☼	11/02/15 14:36	11/03/15 18:58	1
Arsenic	9.2		0.61	0.28	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Barium	90		0.61	0.11	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Beryllium	0.70		0.24	0.053	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Cadmium	0.33		0.12	0.035	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Chromium	17 B		0.61	0.10	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Cobalt	12		0.30	0.069	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Copper	25		0.61	0.13	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Iron	19000 B		12	4.7	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Lead	49		0.30	0.15	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Magnesium	14000		6.1	2.5	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Calcium	24000		12	3.9	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Manganese	380		0.61	0.12	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Nickel	29		0.61	0.17	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Selenium	0.49 J		0.61	0.30	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Silver	<0.30		0.30	0.071	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Thallium	<0.61		0.61	0.30	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Vanadium	23		0.30	0.089	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Zinc	81		1.2	0.39	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Potassium	1800		30	5.0	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	1
Sodium	1500		61	8.1	mg/Kg	☼	11/02/15 14:36	11/03/15 18:58	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		10/30/15 10:30	10/30/15 19:10	1
Barium	0.30 J		0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5)

Lab Sample ID: 500-103025-52

Date Collected: 10/23/15 15:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 79.2

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		10/30/15 10:30	10/30/15 19:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:10	1
Magnesium	80		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:10	1
Manganese	0.23		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Potassium	3.0		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:10	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:10	1
Zinc	0.12	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Barium	0.52		0.50	0.050	mg/L		10/30/15 12:00	11/02/15 19:57	1
Beryllium	0.0047		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 19:57	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 19:57	1
Calcium	31		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 19:57	1
Chromium	0.12		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Cobalt	0.029		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Copper	0.14		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Iron	120		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 19:57	1
Lead	0.18		0.038	0.038	mg/L		10/30/15 12:00	11/03/15 14:51	5
Magnesium	21		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:57	1
Manganese	0.52		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Nickel	0.13		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Potassium	15		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 19:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 19:57	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Vanadium	0.18		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 19:57	1
Zinc	0.74		0.50	0.020	mg/L		10/30/15 12:00	11/03/15 14:46	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		10/30/15 10:30	11/05/15 13:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:04	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:23	1
Thallium	0.0021		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (0-5)

Lab Sample ID: 500-103025-52

Date Collected: 10/23/15 15:15

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 79.2

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		10/30/15 16:30	11/02/15 09:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.019	0.0066	mg/Kg	☼	10/28/15 16:15	10/29/15 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.62		0.62	0.21	mg/Kg	☼	11/02/15 15:40	11/02/15 18:55	1
pH	8.59		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Date Collected: 10/23/15 15:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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	✧	10/24/15 13:20	10/29/15 14:01	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Chloroethane	<0.0043	*	0.0043	0.0018	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,3-Dichloropropane, Total	<0.0043		0.0043	0.0012	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	✧	10/24/15 13:20	10/29/15 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/24/15 13:20	10/29/15 14:01	1
Dibromofluoromethane	105		75 - 120	10/24/15 13:20	10/29/15 14:01	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/24/15 13:20	10/29/15 14:01	1
Toluene-d8 (Surr)	101		75 - 122	10/24/15 13:20	10/29/15 14:01	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	✧	10/29/15 07:24	11/02/15 15:09	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✧	10/29/15 07:24	11/02/15 15:09	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✧	10/29/15 07:24	11/02/15 15:09	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✧	10/29/15 07:24	11/02/15 15:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Date Collected: 10/23/15 15:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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	0.0072	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Chrysene	0.025	J	0.037	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Fluoranthene	0.0095	J	0.037	0.0069	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Methylnaphthalene	0.059		0.037	0.0069	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Naphthalene	0.011	J	0.037	0.0058	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Date Collected: 10/23/15 15:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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	☼	10/29/15 07:24	11/02/15 15:09	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Phenanthrene	0.074		0.037	0.0052	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Pyrene	0.018 J		0.037	0.0074	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2-Fluorobiphenyl</i>	94		25 - 119				10/29/15 07:24	11/02/15 15:09	1
<i>2-Fluorophenol</i>	93		25 - 110				10/29/15 07:24	11/02/15 15:09	1
<i>Nitrobenzene-d5</i>	96		25 - 115				10/29/15 07:24	11/02/15 15:09	1
<i>Phenol-d5</i>	83		31 - 110				10/29/15 07:24	11/02/15 15:09	1
<i>Terphenyl-d14</i>	90		36 - 134				10/29/15 07:24	11/02/15 15:09	1
<i>2,4,6-Tribromophenol</i>	64		35 - 137				10/29/15 07:24	11/02/15 15:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35 J B		1.1	0.23	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Arsenic	6.7		0.55	0.25	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Barium	36		0.55	0.10	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Beryllium	0.61		0.22	0.048	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Cadmium	0.12		0.11	0.032	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Chromium	15 B		0.55	0.095	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Cobalt	15		0.27	0.062	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Copper	24		0.55	0.12	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Iron	17000 B		11	4.2	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Lead	15		0.27	0.14	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Magnesium	26000		5.5	2.2	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Calcium	56000		110	35	mg/Kg	☼	11/02/15 14:36	11/05/15 01:50	10
Manganese	320		0.55	0.11	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Nickel	35		0.55	0.15	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Selenium	0.32 J		0.55	0.27	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Thallium	0.36 J		0.55	0.27	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Vanadium	16		0.27	0.080	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Zinc	50		1.1	0.35	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Potassium	2400		27	4.5	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1
Sodium	750		55	7.3	mg/Kg	☼	11/02/15 14:36	11/03/15 19:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Barium	0.58		0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Date Collected: 10/23/15 15:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 19:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Cobalt	0.028		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Copper	0.010	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Iron	0.21		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:17	1
Magnesium	37		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:17	1
Manganese	1.5		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Nickel	0.058		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Potassium	8.0		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:17	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:17	1
Zinc	0.098	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Barium	0.32	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 20:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 20:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 20:02	1
Calcium	42		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 20:02	1
Chromium	0.070		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Cobalt	0.042		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Copper	0.097		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Iron	53		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 20:02	1
Lead	0.0083		0.0075	0.0075	mg/L		10/30/15 12:00	11/03/15 14:55	1
Magnesium	25		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 20:02	1
Manganese	0.47		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Nickel	0.10		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Potassium	17		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 20:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 20:02	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Vanadium	0.073		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:02	1
Zinc	0.28	J ^	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 20:02	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		10/30/15 10:30	11/05/15 13:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:05	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (5-10)

Lab Sample ID: 500-103025-53

Date Collected: 10/23/15 15:20

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 87.3

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		10/30/15 16:30	11/02/15 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0063	mg/Kg	☼	10/28/15 16:15	10/29/15 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:55	1
pH	8.58		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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	☼	10/24/15 13:20	10/29/15 14:25	1
Benzene	<0.0044		0.0044	0.00098	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Bromodichloromethane	<0.0044		0.0044	0.00075	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Bromoform	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Carbon tetrachloride	<0.0044		0.0044	0.00095	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Chloroethane	<0.0044	*	0.0044	0.0019	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Chloroform	<0.0044		0.0044	0.00086	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00090	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Dibromochloromethane	<0.0044		0.0044	0.00051	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,1-Dichloroethane	<0.0044		0.0044	0.00091	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,2-Dichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,2-Dichloropropane	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00091	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Tetrachloroethene	<0.0044		0.0044	0.00092	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00086	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Vinyl chloride	<0.0044		0.0044	0.0011	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	10/24/15 13:20	10/29/15 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/24/15 13:20	10/29/15 14:25	1
Dibromofluoromethane	102		75 - 120	10/24/15 13:20	10/29/15 14:25	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/24/15 13:20	10/29/15 14:25	1
Toluene-d8 (Surr)	101		75 - 122	10/24/15 13:20	10/29/15 14:25	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	☼	10/29/15 07:24	11/02/15 15:37	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.038		0.038	0.0075	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Methylnaphthalene	0.079		0.038	0.0071	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Naphthalene	0.022	J	0.038	0.0059	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

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	<0.78		0.78	0.37	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Phenanthrene	0.067		0.038	0.0054	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/29/15 07:24	11/02/15 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		25 - 119	10/29/15 07:24	11/02/15 15:37	1
2-Fluorophenol	84		25 - 110	10/29/15 07:24	11/02/15 15:37	1
Nitrobenzene-d5	91		25 - 115	10/29/15 07:24	11/02/15 15:37	1
Phenol-d5	74		31 - 110	10/29/15 07:24	11/02/15 15:37	1
Terphenyl-d14	85		36 - 134	10/29/15 07:24	11/02/15 15:37	1
2,4,6-Tribromophenol	48		35 - 137	10/29/15 07:24	11/02/15 15:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J B	1.1	0.23	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Arsenic	7.7		0.56	0.26	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Barium	33		0.56	0.10	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Beryllium	0.60		0.22	0.049	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Cadmium	0.093	J	0.11	0.032	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Cobalt	13		0.28	0.063	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Copper	25		0.56	0.12	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Iron	17000	B	11	4.3	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Lead	14		0.28	0.14	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Calcium	53000		110	36	mg/Kg	☼	11/02/15 14:36	11/05/15 01:54	10
Manganese	310		0.56	0.11	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Nickel	33		0.56	0.15	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Selenium	0.62		0.56	0.28	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Thallium	0.29	J	0.56	0.28	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Vanadium	16		0.28	0.082	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Zinc	60		1.1	0.35	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Potassium	2300		28	4.6	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1
Sodium	180		56	7.4	mg/Kg	☼	11/02/15 14:36	11/03/15 19:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Barium	0.57		0.50	0.050	mg/L		10/30/15 10:30	10/30/15 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 10:30	10/30/15 19:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 10:30	10/30/15 19:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		5.0	0.50	mg/L		10/30/15 10:30	10/30/15 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Copper	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Iron	<0.20		0.20	0.20	mg/L		10/30/15 10:30	10/30/15 19:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 10:30	10/30/15 19:24	1
Magnesium	29		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:24	1
Manganese	2.0		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Nickel	0.050		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Potassium	8.8		2.5	0.50	mg/L		10/30/15 10:30	10/30/15 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 10:30	10/30/15 19:24	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Vanadium	<0.025		0.025	0.010	mg/L		10/30/15 10:30	10/30/15 19:24	1
Zinc	0.41	J B	0.50	0.020	mg/L		10/30/15 10:30	10/30/15 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Barium	0.14	J	0.50	0.050	mg/L		10/30/15 12:00	11/02/15 20:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/30/15 12:00	11/02/15 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/30/15 12:00	11/02/15 20:06	1
Calcium	27		5.0	0.50	mg/L		10/30/15 12:00	11/02/15 20:06	1
Chromium	0.012	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Copper	0.026		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Iron	4.2		0.20	0.20	mg/L		10/30/15 12:00	11/02/15 20:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/30/15 12:00	11/02/15 20:06	1
Magnesium	7.9		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 20:06	1
Manganese	0.12		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Potassium	4.8		2.5	0.50	mg/L		10/30/15 12:00	11/02/15 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/30/15 12:00	11/02/15 20:06	1
Silver	<0.025		0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Vanadium	0.010	J	0.025	0.010	mg/L		10/30/15 12:00	11/02/15 20:06	1
Zinc	0.14	J ^	0.50	0.020	mg/L		10/30/15 12:00	11/02/15 20:06	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		10/30/15 10:30	11/05/15 13:06	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 10:30	11/05/15 13:06	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/30/15 12:00	11/05/15 13:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/30/15 12:00	11/05/15 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/30/15 16:30	11/02/15 11:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-B12 (10-15)

Lab Sample ID: 500-103025-54

Date Collected: 10/23/15 15:25

Matrix: Solid

Date Received: 10/24/15 08:50

Percent Solids: 85.0

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		10/30/15 16:30	11/02/15 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.017	0.0059	mg/Kg	☼	10/28/15 16:15	10/29/15 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	11/02/15 15:40	11/02/15 18:55	1
pH	8.39		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-G01

Lab Sample ID: 500-103025-55

Date Collected: 10/23/15 16:00

Matrix: Water

Date Received: 10/24/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			11/03/15 13:36	1
Benzene	<0.00050		0.00050	0.00015	mg/L			11/03/15 13:36	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:36	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			11/03/15 13:36	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			11/03/15 13:36	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			11/03/15 13:36	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			11/03/15 13:36	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:36	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			11/03/15 13:36	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:36	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			11/03/15 13:36	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			11/03/15 13:36	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			11/03/15 13:36	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			11/03/15 13:36	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			11/03/15 13:36	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:36	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:36	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			11/03/15 13:36	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			11/03/15 13:36	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			11/03/15 13:36	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			11/03/15 13:36	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			11/03/15 13:36	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			11/03/15 13:36	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			11/03/15 13:36	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:36	1
Styrene	<0.0010		0.0010	0.00039	mg/L			11/03/15 13:36	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			11/03/15 13:36	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			11/03/15 13:36	1
Toluene	<0.00050		0.00050	0.00015	mg/L			11/03/15 13:36	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			11/03/15 13:36	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			11/03/15 13:36	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			11/03/15 13:36	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			11/03/15 13:36	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			11/03/15 13:36	1
Vinyl acetate	<0.0020 *		0.0020	0.00091	mg/L			11/03/15 13:36	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			11/03/15 13:36	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			11/03/15 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 120		11/03/15 13:36	1
Dibromofluoromethane	97		75 - 120		11/03/15 13:36	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 125		11/03/15 13:36	1
Toluene-d8 (Surr)	95		75 - 120		11/03/15 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00078		0.00078	0.00024	mg/L		10/28/15 09:30	10/29/15 06:20	1
Acenaphthylene	<0.00078		0.00078	0.00021	mg/L		10/28/15 09:30	10/29/15 06:20	1
Anthracene	<0.00078		0.00078	0.00026	mg/L		10/28/15 09:30	10/29/15 06:20	1
Benzo[a]anthracene	0.00019		0.00013	0.000044	mg/L		10/28/15 09:30	10/29/15 06:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-G01

Lab Sample ID: 500-103025-55

Date Collected: 10/23/15 16:00

Matrix: Water

Date Received: 10/24/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.00016		0.00016	0.000077	mg/L		10/28/15 09:30	10/29/15 06:20	1
Benzo[b]fluoranthene	<0.00016		0.00016	0.000063	mg/L		10/28/15 09:30	10/29/15 06:20	1
Benzo[g,h,i]perylene	<0.00078		0.00078	0.00029	mg/L		10/28/15 09:30	10/29/15 06:20	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.000050	mg/L		10/28/15 09:30	10/29/15 06:20	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00022	mg/L		10/28/15 09:30	10/29/15 06:20	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00023	mg/L		10/28/15 09:30	10/29/15 06:20	1
Bis(2-ethylhexyl) phthalate	<0.0078		0.0078	0.0013	mg/L		10/28/15 09:30	10/29/15 06:20	1
4-Bromophenyl phenyl ether	<0.0039		0.0039	0.00042	mg/L		10/28/15 09:30	10/29/15 06:20	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00037	mg/L		10/28/15 09:30	10/29/15 06:20	1
Carbazole	<0.0039		0.0039	0.00027	mg/L		10/28/15 09:30	10/29/15 06:20	1
4-Chloroaniline	<0.0078		0.0078	0.0016	mg/L		10/28/15 09:30	10/29/15 06:20	1
4-Chloro-3-methylphenol	<0.0078		0.0078	0.0018	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Chloronaphthalene	<0.0016		0.0016	0.00018	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Chlorophenol	<0.0039		0.0039	0.00043	mg/L		10/28/15 09:30	10/29/15 06:20	1
4-Chlorophenyl phenyl ether	<0.0039		0.0039	0.00049	mg/L		10/28/15 09:30	10/29/15 06:20	1
Chrysene	0.00053		0.00039	0.000053	mg/L		10/28/15 09:30	10/29/15 06:20	1
Dibenz(a,h)anthracene	<0.00023		0.00023	0.000039	mg/L		10/28/15 09:30	10/29/15 06:20	1
Dibenzofuran	<0.0016		0.0016	0.00020	mg/L		10/28/15 09:30	10/29/15 06:20	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00019	mg/L		10/28/15 09:30	10/29/15 06:20	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00016	mg/L		10/28/15 09:30	10/29/15 06:20	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00016	mg/L		10/28/15 09:30	10/29/15 06:20	1
3,3'-Dichlorobenzidine	<0.0039		0.0039	0.0013	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4-Dichlorophenol	<0.0078		0.0078	0.0020	mg/L		10/28/15 09:30	10/29/15 06:20	1
Diethyl phthalate	<0.0016		0.0016	0.00028	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4-Dimethylphenol	<0.0078		0.0078	0.0014	mg/L		10/28/15 09:30	10/29/15 06:20	1
Dimethyl phthalate	<0.0016		0.0016	0.00024	mg/L		10/28/15 09:30	10/29/15 06:20	1
Di-n-butyl phthalate	<0.0039		0.0039	0.00057	mg/L		10/28/15 09:30	10/29/15 06:20	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0046	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4-Dinitrophenol	<0.016		0.016	0.0067	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4-Dinitrotoluene	<0.00078		0.00078	0.00019	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,6-Dinitrotoluene	<0.00039		0.00039	0.000057	mg/L		10/28/15 09:30	10/29/15 06:20	1
Di-n-octyl phthalate	<0.0078		0.0078	0.00081	mg/L		10/28/15 09:30	10/29/15 06:20	1
Fluoranthene	0.00036 J		0.00078	0.00035	mg/L		10/28/15 09:30	10/29/15 06:20	1
Fluorene	<0.00078		0.00078	0.00019	mg/L		10/28/15 09:30	10/29/15 06:20	1
Hexachlorobenzene	<0.00039		0.00039	0.000062	mg/L		10/28/15 09:30	10/29/15 06:20	1
Hexachlorobutadiene	<0.0039		0.0039	0.00040	mg/L		10/28/15 09:30	10/29/15 06:20	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0049	mg/L		10/28/15 09:30	10/29/15 06:20	1
Hexachloroethane	<0.0039		0.0039	0.00046	mg/L		10/28/15 09:30	10/29/15 06:20	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000058	mg/L		10/28/15 09:30	10/29/15 06:20	1
Isophorone	<0.0016		0.0016	0.00029	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Methylnaphthalene	0.00025 J		0.00039	0.000051	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Methylphenol	<0.0016		0.0016	0.00024	mg/L		10/28/15 09:30	10/29/15 06:20	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00035	mg/L		10/28/15 09:30	10/29/15 06:20	1
Naphthalene	<0.00078		0.00078	0.00024	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Nitroaniline	<0.0039		0.0039	0.0010	mg/L		10/28/15 09:30	10/29/15 06:20	1
3-Nitroaniline	<0.0078		0.0078	0.0014	mg/L		10/28/15 09:30	10/29/15 06:20	1
4-Nitroaniline	<0.0078		0.0078	0.0013	mg/L		10/28/15 09:30	10/29/15 06:20	1
Nitrobenzene	<0.00078		0.00078	0.00035	mg/L		10/28/15 09:30	10/29/15 06:20	1
2-Nitrophenol	<0.0078 *		0.0078	0.0019	mg/L		10/28/15 09:30	10/29/15 06:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-G01

Lab Sample ID: 500-103025-55

Date Collected: 10/23/15 16:00

Matrix: Water

Date Received: 10/24/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.016		0.016	0.0058	mg/L		10/28/15 09:30	10/29/15 06:20	1
N-Nitrosodi-n-propylamine	<0.00039		0.00039	0.00012	mg/L		10/28/15 09:30	10/29/15 06:20	1
N-Nitrosodiphenylamine	<0.00078		0.00078	0.00029	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00029	mg/L		10/28/15 09:30	10/29/15 06:20	1
Pentachlorophenol	<0.016		0.016	0.0031	mg/L		10/28/15 09:30	10/29/15 06:20	1
Phenanthrene	0.00061	J	0.00078	0.00023	mg/L		10/28/15 09:30	10/29/15 06:20	1
Phenol	<0.0039		0.0039	0.00052	mg/L		10/28/15 09:30	10/29/15 06:20	1
Pyrene	0.00070	J	0.00078	0.00033	mg/L		10/28/15 09:30	10/29/15 06:20	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00018	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4,5-Trichlorophenol	<0.0078		0.0078	0.0020	mg/L		10/28/15 09:30	10/29/15 06:20	1
2,4,6-Trichlorophenol	<0.0039		0.0039	0.00056	mg/L		10/28/15 09:30	10/29/15 06:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		41 - 132				10/28/15 09:30	10/29/15 06:20	1
2-Fluorophenol	62		32 - 110				10/28/15 09:30	10/29/15 06:20	1
Nitrobenzene-d5	81		47 - 134				10/28/15 09:30	10/29/15 06:20	1
Phenol-d5	52		25 - 100				10/28/15 09:30	10/29/15 06:20	1
Terphenyl-d14	61		59 - 150				10/28/15 09:30	10/29/15 06:20	1
2,4,6-Tribromophenol	37	X	53 - 150				10/28/15 09:30	10/29/15 06:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015	0.0051	mg/L		10/26/15 18:00	10/27/15 18:05	5
Arsenic	0.053		0.0010	0.00044	mg/L		10/26/15 18:00	11/04/15 16:17	1
Barium	1.9		0.013	0.0042	mg/L		10/26/15 18:00	11/03/15 19:55	5
Beryllium	0.014		0.0050	0.0012	mg/L		10/26/15 18:00	10/27/15 18:05	5
Cadmium	0.020		0.0025	0.00095	mg/L		10/26/15 18:00	10/27/15 18:05	5
Calcium	3100		10	5.3	mg/L		10/26/15 18:00	11/03/15 19:58	50
Chromium	0.31		0.025	0.0030	mg/L		10/26/15 18:00	10/27/15 18:05	5
Cobalt	0.32		0.0050	0.00095	mg/L		10/26/15 18:00	10/27/15 18:05	5
Copper	0.91		0.0020	0.00096	mg/L		10/26/15 18:00	11/04/15 16:17	1
Iron	500		0.50	0.13	mg/L		10/26/15 18:00	10/27/15 18:05	5
Lead	1.3		0.0025	0.00071	mg/L		10/26/15 18:00	10/27/15 18:05	5
Magnesium	1100		1.0	0.42	mg/L		10/26/15 18:00	10/27/15 18:05	5
Manganese	15		0.013	0.0050	mg/L		10/26/15 18:00	10/27/15 18:05	5
Nickel	0.70		0.010	0.0026	mg/L		10/26/15 18:00	10/27/15 18:05	5
Potassium	31		2.5	0.95	mg/L		10/26/15 18:00	10/27/15 18:05	5
Selenium	0.014		0.013	0.0042	mg/L		10/26/15 18:00	10/27/15 18:05	5
Silver	0.0012	J	0.0025	0.00040	mg/L		10/26/15 18:00	10/27/15 18:05	5
Sodium	160		1.0	0.44	mg/L		10/26/15 18:00	11/05/15 11:50	5
Thallium	0.0072	J	0.010	0.0030	mg/L		10/26/15 18:00	10/27/15 18:05	5
Vanadium	0.55		0.025	0.011	mg/L		10/26/15 18:00	11/05/15 11:50	5
Zinc	4.6		0.10	0.023	mg/L		10/26/15 18:00	10/27/15 18:05	5

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000061	mg/L		10/26/15 16:00	10/27/15 09:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: 2678-19-G01

Lab Sample ID: 500-103025-55

Date Collected: 10/23/15 16:00

Matrix: Water

Date Received: 10/24/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010	0.0021	mg/L		10/30/15 14:40	10/30/15 16:46	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Client Sample ID: Trip Blank

Lab Sample ID: 500-103025-56

Date Collected: 10/23/15 00:00

Matrix: Water

Date Received: 10/24/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			11/03/15 12:43	1
Benzene	<0.00050		0.00050	0.00015	mg/L			11/03/15 12:43	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			11/03/15 12:43	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			11/03/15 12:43	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			11/03/15 12:43	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			11/03/15 12:43	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			11/03/15 12:43	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			11/03/15 12:43	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			11/03/15 12:43	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			11/03/15 12:43	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			11/03/15 12:43	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			11/03/15 12:43	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			11/03/15 12:43	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			11/03/15 12:43	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			11/03/15 12:43	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			11/03/15 12:43	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			11/03/15 12:43	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			11/03/15 12:43	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			11/03/15 12:43	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			11/03/15 12:43	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			11/03/15 12:43	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			11/03/15 12:43	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			11/03/15 12:43	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			11/03/15 12:43	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			11/03/15 12:43	1
Styrene	<0.0010		0.0010	0.00039	mg/L			11/03/15 12:43	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			11/03/15 12:43	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			11/03/15 12:43	1
Toluene	<0.00050		0.00050	0.00015	mg/L			11/03/15 12:43	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			11/03/15 12:43	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			11/03/15 12:43	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			11/03/15 12:43	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			11/03/15 12:43	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			11/03/15 12:43	1
Vinyl acetate	<0.0020 *		0.0020	0.00091	mg/L			11/03/15 12:43	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			11/03/15 12:43	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			11/03/15 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 120		11/03/15 12:43	1
Dibromofluoromethane	97		75 - 120		11/03/15 12:43	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 125		11/03/15 12:43	1
Toluene-d8 (Surr)	96		75 - 120		11/03/15 12:43	1

TestAmerica Chicago

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-103025-6

Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
8260B		Water	1,3-Dichloropropene, Total
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

Report To (optional)
Contact: Matt Weiss Terracon
Company: 135 Ambassador Dr.
Address: Naperville, IL 60540
Address:
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: Matt.Weiss

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number:
Page _____ of _____
Temperature °C of Cooler:

Client		Client Project #		Preservative		Parameter														
Project Name		Lab Project #		Parameter		Parameter														
Project Location/State		Lab Project #		Parameter		Parameter														
Sampler		Lab PM		Parameter		Parameter														
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total PAHs	Pesticides	Temp PAHs	Inorganics	SRP PAHs	Inorganics	pH	Preservative Key				
			Date	Time												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°
25		2678-19-B01 (0-6)	10/23/15	9:30	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
26		2678-19-B02 (0-5)	10/23/15	10:00	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
27		2678-19-B02 (0-5) Dup	10/23/15	10:05	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
28		2678-19-B02 (5-10)	10/23/15	10:10	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
29		2678-19-B02 (10-15)	10/23/15	10:15	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
30		2678-19-B03 (0-5)	10/23/15	10:25	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
31		2678-19-B03 (5-10)	10/23/15	10:30	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
32		2678-19-B03 (10-15)	10/23/15	10:35	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
33		2678-19-B04 (0-5)	10/23/15	11:00	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					
34		2678-19-B04 (5-10)	10/23/15	11:05	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓					

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>5:00</u>	Received By <u>David Lippert</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>17:00</u>
Relinquished By <u>David Lippert</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>17:25</u>	Received By <u>Matthew Webb</u>	Company <u>TA-CPI</u>	Date <u>10/24/15</u>	Time <u>08:50</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped:
 Hand Delivered:

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

Client Comments
Met IL TACD Requirements
Do not Run Aluminum
Thank you

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matthew Weiss
Company: Terracon
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: Mat.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Total 24		Inorganics		SPLP 24		pH		Preservative Key	Comments
Project Name		Lab Project #		VOCs		SVOCs		Inorganics		Inorganics		Inorganics					
Project Location/State		Lab Project #		Sampling		# of Containers		Matrix									
Sampler		Lab PM		Date	Time												
35	MS/MSD	2678-19-B04 (10-15)		10/23/15	11:10	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
36		2678-19-B05 (0-5)		10/23/15	11:35	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
37		2678-19-B05 (0-5) Dup		10/23/15	11:40	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
38		2678-19-B05 (5-10)		10/23/15	11:45	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
39		2678-19-B05 (10-15)		10/23/15	11:50	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
40		2678-19-B06 (0-5)		10/23/15	12:35	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
41		2678-19-B06 (5-10)		10/23/15	12:40	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
42		2678-19-B06 (10-15)		10/23/15	12:45	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
43		2678-19-B06 (15-21)		10/23/15	12:50	6	S	✓	✓	✓	✓	✓	✓	✓	✓		
44		2678-19-B07 (0-5)		10/23/15	1:20	6	S	✓	✓	✓	✓	✓	✓	✓	✓		

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 <u>Chad Kelly</u> Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>5:00</u>	Received By <u>David Liles</u> Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>1700</u>
Relinquished By <u>David Liles</u> Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>1925</u>	Received By <u>Andrew</u> Company <u>TA-CARL</u>	Date <u>10/24/15</u>	Time <u>0850</u>
Relinquished By	Date	Time	Received By	Date	Time

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments
Meet IL TACO Requirements
DO NOT Run Aluminum
Thankyou

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional): Matthew Weiss
Contact: Matthew Weiss
Company: Terracon
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: matthew.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Parameter							Comments
			Date	Time			VOCs	SVOCS	Total 24 Inorganics	TRLP 24 Inorganics	SALP 24 Inorganics	pH		
45		2678-19-B07 (5-10)	10/23/15	1:25	6	S	✓	✓	✓	✓	✓	✓	✓	
46		2678-19-B07 (10-15)	10/23/15	1:30	6	S	✓	✓	✓	✓	✓	✓	✓	
47		2678-19-B08 (0-6)	10/23/15	1:50	6	S	✓	✓	✓	✓	✓	✓	✓	
48		2678-19-B09 (0-6)	10/23/15	2:15	6	S	✓	✓	✓	✓	✓	✓	✓	
49		2678-19-B10 (0-6)	10/23/15	2:30	6	S	✓	✓	✓	✓	✓	✓	✓	
50		2678-19-B10 (0-6) D.P.	10/23/15	2:35	6	S	✓	✓	✓	✓	✓	✓	✓	
51		2678-19-B11 (0-6)	10/23/15	3:05	6	S	✓	✓	✓	✓	✓	✓	✓	
52		2678-19-B12 (0-5)	10/23/15	3:15	6	S	✓	✓	✓	✓	✓	✓	✓	
53		2678-19-B12 (5-10)	10/23/15	3:20	6	S	✓	✓	✓	✓	✓	✓	✓	
54		2678-19-B12 (10-15)	10/23/15	3:25	6	S	✓	✓	✓	✓	✓	✓	✓	

- 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: <u>Chad Kelly</u> Company: <u>Terracon</u> Date: <u>10/23/15</u> Time: <u>5:00</u>	Received By: <u>Daniel Phillips</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1700</u>
Relinquished By: <u>Daniel Phillips</u> Company: <u>TA</u> Date: <u>10/23/15</u> Time: <u>1925</u>	Received By: <u>Shawn Scott</u> Company: <u>TA-CAT</u> Date: <u>10/24/15</u> Time: <u>0850</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments: Meet IL TAO Requirements
DO NOT Run Aluminum
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weisz
Company: Terracon
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: Matt.Weisz@terracon.com

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

Chain of Custody Record

Lab Job #: 500-103025
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
		<u>1157103</u>									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>Schaumburg, IL</u>				<u>10/23/15</u>		<u>9:00</u>		<u>6</u>		<u>W</u>	
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
<u>David Kelly</u>				<u>10/23/15</u>				<u>W</u>			
Lab ID	MS/MSD	Sample ID		Date		Time		# of Containers		Matrix	
<u>55</u>		<u>2678-19-601</u>		<u>10/23/15</u>		<u>9:00</u>		<u>6</u>		<u>W</u>	
<u>56</u>		<u>trip blank</u>		<u>10/23/15</u>				<u>W</u>			

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

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

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 <u>David Kelly</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>9:00</u>	Received By <u>David Lilligay</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>1700</u>
Relinquished By <u>David Lilligay</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>1925</u>	Received By <u>Shirley...</u>	Company <u>TA</u>	Date <u>10/24/15</u>	Time <u>0850</u>

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

NEED IL TACO REQUIREMENTS
NO ALUMINUM
Thank you

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-103025-6

Login Number: 103025

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2,2.7,2.4,3.1,2.9
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.	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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)-East of N. Martingale Rd and Higgins Rd IDOT STA 136+60 to 141+00 (ISGS Site 2678-20)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03782 Longitude: -88.03565

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03782 Longitude: -88.03565

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, and B04 were sampled adjacent to ISGS Site No 2678-20. See Exhibits 2, 2H, 2I and Table 22 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J102889-1. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. 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

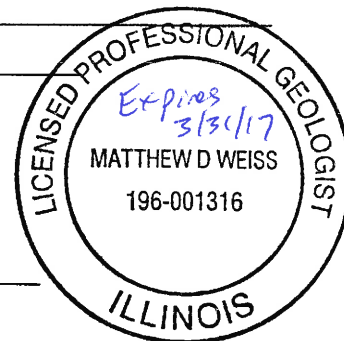
City: Naperville State: IL Zip Code: 60540

Phone: 630-717-4263

Matt Weiss
Printed Name:

[Signature]

12/11/15
Date:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 12

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B01 (0-5)	2678-20-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	<0.020
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.012	0.013
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.017	0.016
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.028	0.023
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.040	0.016
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.016	0.021
Chrysene	mg/kg	1.2	2.7	88		0.017	0.027
Fluoranthene	mg/kg	2.7	4.1	3100		0.043	0.033
Naphthalene	mg/kg	0.04	0.2	1.8		<0.040	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.024	0.028
Pyrene	mg/kg	1.9	3.0	2300		0.038	0.037
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.040	0.012
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.1	12
Barium	mg/kg	---	110	1500		83	35
Cadmium	mg/kg	---	0.6	5.2		0.27	0.21
Chromium, total	mg/kg	---	16.2	21		15	13
Lead	mg/kg	---	36	107		26	19
Mercury	mg/kg	---	0.06	0.1		0.043	0.026
Selenium	mg/kg	---	0.48	1.3		0.41	0.68
Silver	mg/kg	---	0.55	4.4		<0.29	<0.30
Antimony	mg/kg	---	4.0	5		<1.2	0.3
Beryllium	mg/kg	---	0.59	22		0.74	0.58
Calcium	mg/kg	---	9,300	---		17000	43000
Cobalt	mg/kg	---	8.9	20		12	14
Copper	mg/kg	---	19.6	2900		24	30
Cyanide	mg/kg	---	0.51	---		<0.60	<0.56
Iron	mg/kg	---	15,900	15000		18000	23000
Magnesium	mg/kg	---	4,820	325000		11000	24000
Manganese	mg/kg	---	636	630		340	380
Nickel	mg/kg	---	18	100		27	32
Potassium	mg/kg	---	1,268	---		1200	1500
Sodium	mg/kg	---	130	---		340	390
Thallium	mg/kg	---	0.32	2.6		<0.58	0.3
Vanadium	mg/kg	---	25.2	550		19	16
Zinc	mg/kg	---	95	5100		66	56
pH			6.25	9		8.25	8.27
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.021	<0.050
Barium, SPLP	mg/L	---	---	---		0.2	0.16
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		110	24
Chromium, SPLP	mg/L	---	---	---		0.05	0.025
Cobalt, SPLP	mg/L	---	---	---		0.016	<0.025
Copper, SPLP	mg/L	---	---	---		0.073	0.031
Iron, SPLP	mg/L	---	---	---		44	17
Lead, SPLP	mg/L	---	---	---		0.079	0.019
Magnesium, SPLP	mg/L	---	---	---		11	10
Manganese, SPLP	mg/L	---	---	---		0.22	0.27
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.049	0.026
Potassium, SPLP	mg/L	---	---	---		19	7.8
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

Page 2 of 12

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B01 (0-5)	2678-20-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.07	0.029
Zinc,SPLP	mg/L	---	---	---		1.8	0.088
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.41	0.49
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	---	---	---		270	420
Cobalt,TCLP	mg/L	---	---	---		0.017	0.018
Copper,TCLP	mg/L	---	---	---		0.011	0.011
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		79	34
Manganese,TCLP	mg/L	---	---	---		5	4.4
Nickel,TCLP	mg/L	---	---	---		0.014	0.023
Potassium,TCLP	mg/L	---	---	---		4.6	6.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.46	0.041

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

Page 3 of 12

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B01 (10-15)	2678-20-B01 (15-21)
				CCDD	Sample Depth (feet)	(10-15)	(15-21)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.017
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.038
Chrysene	mg/kg	1.2	2.7	88		0.018	0.013
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	<0.038
Naphthalene	mg/kg	0.04	0.2	1.8		0.022	0.034
Phenanthrene	mg/kg	1.3	2.5	210		0.063	0.054
Pyrene	mg/kg	1.9	3.0	2300		0.015	0.015
2-Methylnaphthalene	mg/kg	---	0.14	---		0.1	0.1
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		5.8	6.6
Barium	mg/kg	---	110	1500		36	36
Cadmium	mg/kg	---	0.6	5.2		0.18	0.16
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		11	11
Mercury	mg/kg	---	0.06	0.1		0.026	0.032
Selenium	mg/kg	---	0.48	1.3		0.35	<0.58
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		<1.1	0.31
Beryllium	mg/kg	---	0.59	22		0.65	0.65
Calcium	mg/kg	---	9,300	---		50000	55000
Cobalt	mg/kg	---	8.9	20		16	13
Copper	mg/kg	---	19.6	2900		24	24
Cyanide	mg/kg	---	0.51	---		<0.57	<0.57
Iron	mg/kg	---	15,900	15000		16000	18000
Magnesium	mg/kg	---	4,820	325000		25000	27000
Manganese	mg/kg	---	636	630		290	320
Nickel	mg/kg	---	18	100		36	33
Potassium	mg/kg	---	1,268	---		2400	2300
Sodium	mg/kg	---	130	---		530	150
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.58
Vanadium	mg/kg	---	25.2	550		18	17
Zinc	mg/kg	---	95	5100		54	48
pH			6.25	9		8.21	8.15
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050	<0.050
Barium, SPLP	mg/L	---	---	---		0.2	0.098
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		66	24
Chromium, SPLP	mg/L	---	---	---		0.03	<0.025
Cobalt, SPLP	mg/L	---	---	---		0.014	<0.025
Copper, SPLP	mg/L	---	---	---		0.033	0.014
Iron, SPLP	mg/L	---	---	---		12	1.5
Lead, SPLP	mg/L	---	---	---		0.008	<0.0075
Magnesium, SPLP	mg/L	---	---	---		15	7.6
Manganese, SPLP	mg/L	---	---	---		0.34	0.061
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.037	<0.025
Potassium, SPLP	mg/L	---	---	---		11	4.1
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B01 (10-15)	2678-20-B01 (15-21)
				CCDD	Sample Depth (feet)	(10-15)	(15-21)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.037	<0.025
Zinc,SPLP	mg/L	---	---	---		0.37	0.052
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.55	0.61
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	---	---	---		490	500
Cobalt,TCLP	mg/L	---	---	---		0.027	0.021
Copper,TCLP	mg/L	---	---	---		<0.025	0.013
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		29	25
Manganese,TCLP	mg/L	---	---	---		1.3	1.8
Nickel,TCLP	mg/L	---	---	---		0.078	0.057
Potassium,TCLP	mg/L	---	---	---		10	11
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.04	0.035

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B02 (0-6)	2678-20-B02 (0-6)Dup
				CCDD	Sample Depth (feet)	(0-6)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.017
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.039
Naphthalene	mg/kg	0.04	0.2	1.8		<0.037	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.039
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		11	8.3
Barium	mg/kg	---	110	1500		68	33
Cadmium	mg/kg	---	0.6	5.2		0.14	0.12
Chromium, total	mg/kg	---	16.2	21		17	15
Lead	mg/kg	---	36	107		18	16
Mercury	mg/kg	---	0.06	0.1		0.039	0.032
Selenium	mg/kg	---	0.48	1.3		0.29	0.51
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.76	0.62
Calcium	mg/kg	---	9,300	---		25000	46000
Cobalt	mg/kg	---	8.9	20		17	9
Copper	mg/kg	---	19.6	2900		33	35
Cyanide	mg/kg	---	0.51	---		<0.58	<0.59
Iron	mg/kg	---	15,900	15000		23000	18000
Magnesium	mg/kg	---	4,820	325000		13000	24000
Manganese	mg/kg	---	636	630		400	270
Nickel	mg/kg	---	18	100		42	25
Potassium	mg/kg	---	1,268	---		1400	2000
Sodium	mg/kg	---	130	---		420	400
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.57
Vanadium	mg/kg	---	25.2	550		20	17
Zinc	mg/kg	---	95	5100		57	51
pH			6.25	9		8.83	8.6
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050	0.057
Barium, SPLP	mg/L	---	---	---		0.17	0.28
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		26	34
Chromium, SPLP	mg/L	---	---	---		0.016	0.091
Cobalt, SPLP	mg/L	---	---	---		<0.025	0.027
Copper, SPLP	mg/L	---	---	---		0.023	0.16
Iron, SPLP	mg/L	---	---	---		9.2	100
Lead, SPLP	mg/L	---	---	---		<0.0075	0.054
Magnesium, SPLP	mg/L	---	---	---		9.3	27
Manganese, SPLP	mg/L	---	---	---		0.069	0.37
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.015	0.11
Potassium, SPLP	mg/L	---	---	---		4.2	20
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B02 (0-6)	2678-20-B02 (0-6)Dup
				CCDD	Sample Depth (feet)	(0-6)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0031
Vanadium,SPLP	mg/L	---	---	---		0.018	0.12
Zinc,SPLP	mg/L	---	---	---		0.41	0.32
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.42	0.28
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	---	---	---		520	440
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		31	59
Manganese,TCLP	mg/L	---	---	---		0.044	0.34
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		2.7	2.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.78	0.39

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B02 (6-13)	2678-20-B03 (0-6)
				CCDD	Sample Depth (feet)	(6-13)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.017	0.039
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.039
Naphthalene	mg/kg	0.04	0.2	1.8		<0.037	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.047	<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.039
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		11	9
Barium	mg/kg	---	110	1500		17	73
Cadmium	mg/kg	---	0.6	5.2		0.16	0.26
Chromium, total	mg/kg	---	16.2	21		12	14
Lead	mg/kg	---	36	107		13	32
Mercury	mg/kg	---	0.06	0.1		0.029	0.037
Selenium	mg/kg	---	0.48	1.3		0.67	0.47
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		0.28	0.28
Beryllium	mg/kg	---	0.59	22		0.47	0.69
Calcium	mg/kg	---	9,300	---		75000	9700
Cobalt	mg/kg	---	8.9	20		13	11
Copper	mg/kg	---	19.6	2900		31	25
Cyanide	mg/kg	---	0.51	---		<0.57	<0.61
Iron	mg/kg	---	15,900	15000		16000	16000
Magnesium	mg/kg	---	4,820	325000		30000	6500
Manganese	mg/kg	---	636	630		350	190
Nickel	mg/kg	---	18	100		32	25
Potassium	mg/kg	---	1,268	---		1600	1100
Sodium	mg/kg	---	130	---		270	500
Thallium	mg/kg	---	0.32	2.6		0.49	<0.57
Vanadium	mg/kg	---	25.2	550		13	21
Zinc	mg/kg	---	95	5100		47	71
pH			6.25	9		8.15	8.15
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050	0.028
Barium, SPLP	mg/L	---	---	---		0.075	0.22
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		23	26
Chromium, SPLP	mg/L	---	---	---		0.014	0.051
Cobalt, SPLP	mg/L	---	---	---		<0.025	0.022
Copper, SPLP	mg/L	---	---	---		0.027	0.086
Iron, SPLP	mg/L	---	---	---		4	52
Lead, SPLP	mg/L	---	---	---		<0.0075	0.054
Magnesium, SPLP	mg/L	---	---	---		7.8	15
Manganese, SPLP	mg/L	---	---	---		0.062	0.5
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.02	0.061
Potassium, SPLP	mg/L	---	---	---		5	11
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B02 (6-13)	2678-20-B03 (0-6)
				CCDD	Sample Depth (feet)	(6-13)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.015	0.078
Zinc,SPLP	mg/L	---	---	---		0.063	0.19
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.23	0.45
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	---	---	---		400	270
Cobalt,TCLP	mg/L	---	---	---		0.062	0.029
Copper,TCLP	mg/L	---	---	---		0.019	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		34	130
Manganese,TCLP	mg/L	---	---	---		1.4	4.1
Nickel,TCLP	mg/L	---	---	---		0.14	0.019
Potassium,TCLP	mg/L	---	---	---		7.4	7.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		<0.70	0.039

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B03 (6-13)	2678-20-B04 (0-6)
				CCDD	Sample Depth (feet)	(6-13)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.020
Semivolatile Organic Analytical Parameters							
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.036
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.036
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.036
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.036
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.036
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.022
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.036
Naphthalene	mg/kg	0.04	0.2	1.8		<0.038	<0.036
Phenanthrene	mg/kg	1.3	2.5	210		0.067	<0.036
Pyrene	mg/kg	1.9	3.0	2300		0.021	0.024
2-Methylnaphthalene	mg/kg	---	0.14	---		0.029	<0.036
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.4	11
Barium	mg/kg	---	110	1500		24	39
Cadmium	mg/kg	---	0.6	5.2		0.14	0.24
Chromium, total	mg/kg	---	16.2	21		15	10
Lead	mg/kg	---	36	107		13	15
Mercury	mg/kg	---	0.06	0.1		0.03	0.036
Selenium	mg/kg	---	0.48	1.3		0.53	1
Silver	mg/kg	---	0.55	4.4		<0.27	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	0.41
Beryllium	mg/kg	---	0.59	22		0.6	0.45
Calcium	mg/kg	---	9,300	---		44000	48000
Cobalt	mg/kg	---	8.9	20		12	12
Copper	mg/kg	---	19.6	2900		25	34
Cyanide	mg/kg	---	0.51	---		<0.58	<0.55
Iron	mg/kg	---	15,900	15000		17000	17000
Magnesium	mg/kg	---	4,820	325000		22000	29000
Manganese	mg/kg	---	636	630		290	500
Nickel	mg/kg	---	18	100		34	29
Potassium	mg/kg	---	1,268	---		1800	1100
Sodium	mg/kg	---	130	---		350	520
Thallium	mg/kg	---	0.32	2.6		<0.54	<0.56
Vanadium	mg/kg	---	25.2	550		15	12
Zinc	mg/kg	---	95	5100		53	61
pH			6.25	9		8.16	8.33
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050	<0.050
Barium, SPLP	mg/L	---	---	---		0.14	0.085
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		46	17
Chromium, SPLP	mg/L	---	---	---		0.029	0.014
Cobalt, SPLP	mg/L	---	---	---		0.012	<0.025
Copper, SPLP	mg/L	---	---	---		0.039	0.026
Iron, SPLP	mg/L	---	---	---		15	7.6
Lead, SPLP	mg/L	---	---	---		0.01	<0.0075
Magnesium, SPLP	mg/L	---	---	---		15	6.6
Manganese, SPLP	mg/L	---	---	---		0.3	0.13
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.033	0.014
Potassium, SPLP	mg/L	---	---	---		9.6	4.1
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B03 (6-13)	2678-20-B04 (0-6)
				CCDD	Sample Depth (feet)	(6-13)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.033	0.013
Zinc,SPLP	mg/L	---	---	---		2.3	0.077
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.26	0.28
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	---	---	---		530	320
Cobalt,TCLP	mg/L	---	---	---		0.023	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		40	100
Manganese,TCLP	mg/L	---	---	---		1.9	1.5
Nickel,TCLP	mg/L	---	---	---		0.055	0.012
Potassium,TCLP	mg/L	---	---	---		6.9	4.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.15	0.023

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B04 (6-13)
				CCDD	Sample Depth (feet)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015
Volatile Organic Analytical Parameters						
Acetone	mg/kg	---	---	25		<0.018
Semivolatile Organic Analytical Parameters						
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.036
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.036
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.036
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.036
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.036
Chrysene	mg/kg	1.2	2.7	88		<0.036
Fluoranthene	mg/kg	2.7	4.1	3100		<0.036
Naphthalene	mg/kg	0.04	0.2	1.8		<0.036
Phenanthrene	mg/kg	1.3	2.5	210		0.078
Pyrene	mg/kg	1.9	3.0	2300		<0.036
2-Methylnaphthalene	mg/kg	---	0.14	---		0.075
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		6.8
Barium	mg/kg	---	110	1500		39
Cadmium	mg/kg	---	0.6	5.2		0.32
Chromium, total	mg/kg	---	16.2	21		15
Lead	mg/kg	---	36	107		16
Mercury	mg/kg	---	0.06	0.1		0.022
Selenium	mg/kg	---	0.48	1.3		0.42
Silver	mg/kg	---	0.55	4.4		<0.28
Antimony	mg/kg	---	4.0	5		0.3
Beryllium	mg/kg	---	0.59	22		0.58
Calcium	mg/kg	---	9,300	---		51000
Cobalt	mg/kg	---	8.9	20		13
Copper	mg/kg	---	19.6	2900		25
Cyanide	mg/kg	---	0.51	---		<0.55
Iron	mg/kg	---	15,900	15000		17000
Magnesium	mg/kg	---	4,820	325000		25000
Manganese	mg/kg	---	636	630		310
Nickel	mg/kg	---	18	100		32
Potassium	mg/kg	---	1,268	---		2100
Sodium	mg/kg	---	130	---		190
Thallium	mg/kg	---	0.32	2.6		<0.56
Vanadium	mg/kg	---	25.2	550		16
Zinc	mg/kg	---	95	5100		87
pH			6.25	9		7.9
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050
Barium, SPLP	mg/L	---	---	---		0.063
Beryllium, SPLP	mg/L	---	---	---		<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050
Calcium, SPLP	mg/L	---	---	---		21
Chromium, SPLP	mg/L	---	---	---		<0.025
Cobalt, SPLP	mg/L	---	---	---		<0.025
Copper, SPLP	mg/L	---	---	---		<0.025
Iron, SPLP	mg/L	---	---	---		2.3
Lead, SPLP	mg/L	---	---	---		<0.0075
Magnesium, SPLP	mg/L	---	---	---		6.7
Manganese, SPLP	mg/L	---	---	---		0.048
Mercury, SPLP	mg/L	---	---	---		<0.00020
Nickel, SPLP	mg/L	---	---	---		<0.025
Potassium, SPLP	mg/L	---	---	---		3.1
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-20)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-20-B04 (6-13)
				CCDD	Sample Depth (feet)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----
Thallium,SPLP	mg/L	---	---	---		<0.0020
Vanadium,SPLP	mg/L	---	---	---		<0.025
Zinc,SPLP	mg/L	---	---	---		0.026
Cyanide,SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.72
Cadmium,TCLP	mg/L	---	---	---		<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		530
Cobalt,TCLP	mg/L	---	---	---		0.021
Copper,TCLP	mg/L	---	---	---		<0.025
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		<0.20
Magnesium,TCLP	mg/L	---	---	---		27
Manganese,TCLP	mg/L	---	---	---		2
Nickel,TCLP	mg/L	---	---	---		0.058
Potassium,TCLP	mg/L	---	---	---		9.7
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Chicago

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TestAmerica Job ID: 500-102889-1

Client Project/Site: IDOT - Schaumburg - WO 03

For:

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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Job ID: 500-102889-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-102889-1

Comments

No additional comments.

Receipt

The samples were received on 10/22/2015 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.7° C, 2.9° C, 3.2° C and 3.4° C.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 500-309368 recovered above the upper control limit for Vinyl Acetate. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 2678-20-B01 (0-5) (500-102889-1), 2678-20-B01 (5-10) (500-102889-2), 2678-20-B01 (10-15) (500-102889-3), 2678-20-B01 (15-21) (500-102889-4), 2678-20-B02 (0-6) (500-102889-5), 2678-20-B02 (6-13) (500-102889-6) and 2678-20-B02 (0-6)Dup (500-102889-7).

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: The laboratory control sample (LCS) for batch 500-309403 recovered outside control limits for the following analytes: Acenaphthylene; 4-Bromophenyl phenyl ether; Hexachlorobenzene; 3-Nitroaniline; Phenol; and 2,4,5-Tribromophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.(LCS 500-309403/2-A)

Method(s) 8270D: Two acid surrogate recoveries for LCS 500-309403/2-A were outside the upper control limit: (LCS 500-309403/2-A). The associated samples did not contain any target analytes > the RL; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-20-B01 (5-10) (500-102889-2), 2678-20-B01 (15-21) (500-102889-4), 2678-20-B02 (0-6) (500-102889-5), 2678-20-B02 (6-13) (500-102889-6), 2678-20-B03 (6-13) (500-102889-9), 2678-20-B04 (0-6) (500-102889-10), 2678-20-B04 (6-13) (500-102889-11), (MB 500-309403/1-A), (500-102889-F-1-G MS) and (500-102889-F-1-H MSD). The laboratory's SOP allows one acid and one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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

Metals

Method(s) 6020A: The continuing calibration verification (CCV), at line 39 and 65, associated with batch 500-310151 recovered above the upper control limit for Sb at 112% Rec. The samples associated with these CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 500-102889-9-37 TCLP and 500-102889-1 SPLP

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.012	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.017	J	0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.028	J	0.040	0.0087	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.016	J F1	0.040	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.017	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.043		0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.024	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.038	J F1	0.040	0.0080	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.1		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	83		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.74		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.27		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	24	F1 B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	26	F2	0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	11000	F2	5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	17000	F2	12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	340	F2	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.41	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	66	F1	1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	1200	F1	29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	340		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	270		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	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	79		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.46	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.021	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	110	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.050	F1	0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	44		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.079		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	11	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.049		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19	F1	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.070		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	1.8	F1 B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.043		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5) (Continued)

Lab Sample ID: 500-102889-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
pH	8.25		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	1		*	8270D	Total/NA
Benzo[a]pyrene	0.016	J	0.039	0.0077	mg/Kg	1		*	8270D	Total/NA
Benzo[b]fluoranthene	0.023	J	0.039	0.0086	mg/Kg	1		*	8270D	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.039	0.013	mg/Kg	1		*	8270D	Total/NA
Benzo[k]fluoranthene	0.021	J	0.039	0.012	mg/Kg	1		*	8270D	Total/NA
Chrysene	0.027	J	0.039	0.011	mg/Kg	1		*	8270D	Total/NA
Fluoranthene	0.033	J	0.039	0.0074	mg/Kg	1		*	8270D	Total/NA
2-Methylnaphthalene	0.012	J	0.039	0.0073	mg/Kg	1		*	8270D	Total/NA
Phenanthrene	0.028	J	0.039	0.0055	mg/Kg	1		*	8270D	Total/NA
Pyrene	0.037	J	0.039	0.0079	mg/Kg	1		*	8270D	Total/NA
Antimony	0.30	J	1.2	0.25	mg/Kg	1		*	6010B	Total/NA
Arsenic	12		0.60	0.28	mg/Kg	1		*	6010B	Total/NA
Barium	35		0.60	0.11	mg/Kg	1		*	6010B	Total/NA
Beryllium	0.58		0.24	0.052	mg/Kg	1		*	6010B	Total/NA
Cadmium	0.21		0.12	0.035	mg/Kg	1		*	6010B	Total/NA
Chromium	13	B	0.60	0.10	mg/Kg	1		*	6010B	Total/NA
Cobalt	14		0.30	0.068	mg/Kg	1		*	6010B	Total/NA
Copper	30	B	0.60	0.13	mg/Kg	1		*	6010B	Total/NA
Iron	23000		12	4.6	mg/Kg	1		*	6010B	Total/NA
Lead	19		0.30	0.15	mg/Kg	1		*	6010B	Total/NA
Magnesium	24000		6.0	2.4	mg/Kg	1		*	6010B	Total/NA
Calcium	43000		12	3.9	mg/Kg	1		*	6010B	Total/NA
Manganese	380		0.60	0.12	mg/Kg	1		*	6010B	Total/NA
Nickel	32		0.60	0.16	mg/Kg	1		*	6010B	Total/NA
Selenium	0.68		0.60	0.30	mg/Kg	1		*	6010B	Total/NA
Thallium	0.30	J	0.60	0.29	mg/Kg	1		*	6010B	Total/NA
Vanadium	16		0.30	0.087	mg/Kg	1		*	6010B	Total/NA
Zinc	56		1.2	0.38	mg/Kg	1		*	6010B	Total/NA
Potassium	1500		30	4.9	mg/Kg	1		*	6010B	Total/NA
Sodium	390		60	7.9	mg/Kg	1		*	6010B	Total/NA
Barium	0.49	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	420		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.018	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	4.4		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	6.3		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.041	J	0.70	0.020	mg/L	1			6010B	TCLP
Barium	0.16	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	24	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.025		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.031		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	17		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.019		0.0075	0.0075	mg/L	1			6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10) (Continued)

Lab Sample ID: 500-102889-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	10	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	7.8		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.029		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.088	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.026		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.27		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.018	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.10		0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.022	J	0.039	0.0060	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.063		0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.015	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.8		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	50000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	290		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	36		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.35	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	54		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2400		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	530		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.55		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	490		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.027		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	29		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.078		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	10		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.040	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	66	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.030		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	12		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0080		0.0075	0.0075	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15) (Continued)

Lab Sample ID: 500-102889-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Magnesium	15	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.34		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.037		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	11		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.037		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.37	J B	0.70	0.020	mg/L	1			6010B	SPLP East
Mercury	0.026		0.018	0.0061	mg/Kg	1		☼	7471B	Total/NA
pH	8.21		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chrysene	0.013	J	0.038	0.010	mg/Kg	1		☼	8270D	Total/NA
2-Methylnaphthalene	0.10		0.038	0.0071	mg/Kg	1		☼	8270D	Total/NA
Naphthalene	0.034	J	0.038	0.0059	mg/Kg	1		☼	8270D	Total/NA
Phenanthrene	0.054		0.038	0.0053	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.015	J	0.038	0.0076	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.31	J	1.2	0.24	mg/Kg	1		☼	6010B	Total/NA
Arsenic	6.6		0.58	0.27	mg/Kg	1		☼	6010B	Total/NA
Barium	36		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.65		0.23	0.050	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.16		0.12	0.034	mg/Kg	1		☼	6010B	Total/NA
Chromium	16	B	0.58	0.10	mg/Kg	1		☼	6010B	Total/NA
Cobalt	13		0.29	0.066	mg/Kg	1		☼	6010B	Total/NA
Copper	24	B	0.58	0.13	mg/Kg	1		☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1		☼	6010B	Total/NA
Lead	11		0.29	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	27000		5.8	2.4	mg/Kg	1		☼	6010B	Total/NA
Calcium	55000		12	3.7	mg/Kg	1		☼	6010B	Total/NA
Manganese	320		0.58	0.12	mg/Kg	1		☼	6010B	Total/NA
Nickel	33		0.58	0.16	mg/Kg	1		☼	6010B	Total/NA
Vanadium	17		0.29	0.085	mg/Kg	1		☼	6010B	Total/NA
Zinc	48		1.2	0.37	mg/Kg	1		☼	6010B	Total/NA
Potassium	2300		29	4.7	mg/Kg	1		☼	6010B	Total/NA
Sodium	150		58	7.7	mg/Kg	1		☼	6010B	Total/NA
Barium	0.61		0.50	0.050	mg/L	1			6010B	TCLP
Calcium	500		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.8		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.057		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	11		2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.035	J	0.70	0.020	mg/L	1			6010B	TCLP
Barium	0.098	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	24	B	5.0	0.50	mg/L	1			6010B	SPLP East
Copper	0.014	J	0.025	0.010	mg/L	1			6010B	SPLP East
Iron	1.5		0.20	0.20	mg/L	1			6010B	SPLP East
Magnesium	7.6	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.061		0.025	0.010	mg/L	1			6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21) (Continued)

Lab Sample ID: 500-102889-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4.1		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.052	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.032		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	11		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	68		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.76		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	17		0.29	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	33	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	13000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	42		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.29	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1400		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	420		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	520		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	31		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.044		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.78		0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.17	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.016	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.023	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	9.2		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	9.3	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.069		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.2		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.41	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.039		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.83		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.047		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13) (Continued)

Lab Sample ID: 500-102889-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.28	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	17		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.47		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	31	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	75000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	350		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.67		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.49	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	270		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.23	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	400		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.062		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.14		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	7.4		2.5	0.50	mg/L	1		6010B	TCLP
Barium	0.075	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	4.0		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.8	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.062		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.0		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.063	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.029		0.018	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.3		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.12		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup (Continued)

Lab Sample ID: 500-102889-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cobalt	9.0		0.28	0.064	mg/Kg	1		☼	6010B	Total/NA
Copper	35	B	0.57	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	18000		11	4.4	mg/Kg	1		☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	24000		5.7	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	46000		11	3.7	mg/Kg	1		☼	6010B	Total/NA
Manganese	270		0.57	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	25		0.57	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.51	J	0.57	0.28	mg/Kg	1		☼	6010B	Total/NA
Vanadium	17		0.28	0.083	mg/Kg	1		☼	6010B	Total/NA
Zinc	51		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	400		57	7.5	mg/Kg	1		☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	440		5.0	0.50	mg/L	1			6010B	TCLP
Magnesium	59		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	0.39	J	0.70	0.020	mg/L	1			6010B	TCLP
Arsenic	0.057		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	34	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.091		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.027		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.16		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	100		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.054		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	27	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.37		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.11		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	20		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.32	J B	0.70	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0031		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.032		0.017	0.0060	mg/Kg	1		☼	7471B	Total/NA
pH	8.60		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	0.039		0.022	0.0042	mg/Kg	1		☼	8260B	Total/NA
Antimony	0.28	J	1.1	0.24	mg/Kg	1		☼	6010B	Total/NA
Arsenic	9.0		0.57	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	73		0.57	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.69		0.23	0.050	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.26		0.11	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	14	B	0.57	0.099	mg/Kg	1		☼	6010B	Total/NA
Cobalt	11		0.29	0.065	mg/Kg	1		☼	6010B	Total/NA
Copper	25	B	0.57	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6) (Continued)

Lab Sample ID: 500-102889-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	32		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	6500		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	9700		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	190		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	25		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.47	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	71		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1100		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	500		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	270		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.029		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	130		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	4.1		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	7.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.039	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.028	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.22	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.086		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	52		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.054		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	15	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.50		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.061		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	11		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.078		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.19	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.037		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.029	J	0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.067		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.021	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.4		0.54	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	24		0.54	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.22	0.047	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.14		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.54	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.54	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13) (Continued)

Lab Sample ID: 500-102889-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	22000		5.4	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	44000		11	3.5	mg/Kg	1	☼	6010B	Total/NA
Manganese	290		0.54	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.53	J	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.27	0.079	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	350		54	7.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	530		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	40		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.055		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.15	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.14	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	46	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.029		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.039		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	15		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.010		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	15	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.30		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	9.6		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	2.3	B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.030		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.16		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.022	J	0.036	0.0099	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.024	J	0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.41	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.45		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.24		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	10	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	34	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	29000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000		11	3.6	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6) (Continued)

Lab Sample ID: 500-102889-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	500		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	1.0		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	12		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	61		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	520		56	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	100		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.2	F1	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.023	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.085	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	17	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	7.6		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.6	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.1		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.077	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.036		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.33		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.075		0.036	0.0067	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.078		0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.30	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.8		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.32		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	51000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	310		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.42	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	87		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13) (Continued)

Lab Sample ID: 500-102889-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2100		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	190		56	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.72		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	530		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	27		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.058		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	9.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.10	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.063	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	21	B	5.0	0.50	mg/L	1		6010B	SPLP East
Iron	2.3		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.7	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.048		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.1		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.026	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.022		0.017	0.0059	mg/Kg	1	☼	7471B	Total/NA
pH	7.90		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102889-1	2678-20-B01 (0-5)	Solid	10/21/15 10:15	10/22/15 08:55
500-102889-2	2678-20-B01 (5-10)	Solid	10/21/15 10:20	10/22/15 08:55
500-102889-3	2678-20-B01 (10-15)	Solid	10/21/15 10:25	10/22/15 08:55
500-102889-4	2678-20-B01 (15-21)	Solid	10/21/15 10:30	10/22/15 08:55
500-102889-5	2678-20-B02 (0-6)	Solid	10/21/15 10:55	10/22/15 08:55
500-102889-6	2678-20-B02 (6-13)	Solid	10/21/15 11:00	10/22/15 08:55
500-102889-7	2678-20-B02 (0-6)Dup	Solid	10/21/15 11:05	10/22/15 08:55
500-102889-8	2678-20-B03 (0-6)	Solid	10/21/15 11:25	10/22/15 08:55
500-102889-9	2678-20-B03 (6-13)	Solid	10/21/15 11:30	10/22/15 08:55
500-102889-10	2678-20-B04 (0-6)	Solid	10/21/15 11:55	10/22/15 08:55
500-102889-11	2678-20-B04 (6-13)	Solid	10/21/15 12:00	10/22/15 08:55



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Date Collected: 10/21/15 10:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Bromodichloromethane	<0.0050		0.0050	0.00085	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,3-Dichloropropene, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00080	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/22/15 17:45	10/23/15 17:13	1
Dibromofluoromethane	95		75 - 120	10/22/15 17:45	10/23/15 17:13	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/22/15 17:45	10/23/15 17:13	1
Toluene-d8 (Surr)	111		75 - 122	10/22/15 17:45	10/23/15 17:13	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	☼	10/23/15 08:24	10/29/15 02:21	1
Acenaphthylene	<0.040	*	0.040	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Benzo[a]anthracene	0.012	J	0.040	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Date Collected: 10/21/15 10:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 80.0

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	0.040	0.0078	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Benzo[b]fluoranthene	0.028	J	0.040	0.0087	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Benzo[k]fluoranthene	0.016	J F1	0.040	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Bis(2-ethylhexyl) phthalate	<0.20	F1	0.20	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Butyl benzyl phthalate	<0.20	F1	0.20	0.077	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Chrysene	0.017	J	0.040	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
3,3'-Dichlorobenzidine	<0.20	F2	0.20	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4-Dimethylphenol	<0.40	F1	0.40	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4,6-Dinitro-2-methylphenol	<0.81	F1	0.81	0.32	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4-Dinitrophenol	<0.81	F1	0.81	0.71	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Di-n-octyl phthalate	<0.20	F1 F2	0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Fluoranthene	0.043		0.040	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Hexachlorobenzene	<0.081	*	0.081	0.0093	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Hexachlorocyclopentadiene	<0.81	F1	0.81	0.23	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
3-Nitroaniline	<0.40	* F1	0.40	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Date Collected: 10/21/15 10:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 80.0

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	☼	10/23/15 08:24	10/29/15 02:21	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Phenanthrene	0.024	J	0.040	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Phenol	<0.20	*	0.20	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
Pyrene	0.038	J F1	0.040	0.0080	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4,5-Trichlorophenol	<0.40	*	0.40	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	10/23/15 08:24	10/29/15 02:21	1
2-Fluorophenol	104		25 - 110	10/23/15 08:24	10/29/15 02:21	1
Nitrobenzene-d5	88		25 - 115	10/23/15 08:24	10/29/15 02:21	1
Phenol-d5	94		31 - 110	10/23/15 08:24	10/29/15 02:21	1
Terphenyl-d14	112		36 - 134	10/23/15 08:24	10/29/15 02:21	1
2,4,6-Tribromophenol	110		35 - 137	10/23/15 08:24	10/29/15 02:21	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	☼	10/22/15 17:41	10/23/15 21:55	1
Arsenic	7.1		0.58	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Barium	83		0.58	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Beryllium	0.74		0.23	0.051	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Cadmium	0.27		0.12	0.034	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Chromium	15	B	0.58	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Cobalt	12		0.29	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Copper	24	F1 B	0.58	0.13	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Iron	18000		12	4.5	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Lead	26	F2	0.29	0.15	mg/Kg	☼	10/22/15 17:41	10/24/15 15:42	1
Magnesium	11000	F2	5.8	2.4	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Calcium	17000	F2	12	3.8	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Manganese	340	F2	0.58	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Nickel	27		0.58	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Selenium	0.41	J	0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Vanadium	19		0.29	0.085	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Zinc	66	F1	1.2	0.37	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Potassium	1200	F1	29	4.8	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	1
Sodium	340		58	7.7	mg/Kg	☼	10/22/15 17:41	10/23/15 21:55	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		10/25/15 19:18	10/26/15 14:00	1
Barium	0.41	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Date Collected: 10/21/15 10:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 14:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Cobalt	0.017	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Copper	0.011	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:00	1
Magnesium	79		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:00	1
Manganese	5.0		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Nickel	0.014	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Potassium	4.6		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:00	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:00	1
Zinc	0.46	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Barium	0.20	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 16:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 16:55	1
Calcium	110	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 16:55	1
Chromium	0.050	F1	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Copper	0.073		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Iron	44		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 16:55	1
Lead	0.079		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 16:55	1
Magnesium	11	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 16:55	1
Manganese	0.22		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Nickel	0.049		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Potassium	19	F1	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 16:55	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Vanadium	0.070		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 16:55	1
Zinc	1.8	F1 B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 16:55	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		10/25/15 19:18	10/28/15 15:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:32	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 09:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (0-5)

Lab Sample ID: 500-102889-1

Date Collected: 10/21/15 10:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 80.0

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		10/26/15 16:00	10/27/15 08:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.019	0.0066	mg/Kg	☼	10/27/15 16:00	10/28/15 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/22/15 19:30	10/22/15 22:14	1
pH	8.25		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Date Collected: 10/21/15 10:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.2

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	☼	10/22/15 17:45	10/23/15 17:38	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Bromodichloromethane	<0.0049		0.0049	0.00083	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Chloroethane	<0.0049		0.0049	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/22/15 17:45	10/23/15 17:38	1
Dibromofluoromethane	103		75 - 120	10/22/15 17:45	10/23/15 17:38	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/22/15 17:45	10/23/15 17:38	1
Toluene-d8 (Surr)	115		75 - 122	10/22/15 17:45	10/23/15 17:38	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	☼	10/23/15 08:24	10/29/15 02:50	1
Acenaphthylene	<0.039	*	0.039	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Date Collected: 10/21/15 10:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.2

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	0.039	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Benzo[b]fluoranthene	0.023	J	0.039	0.0086	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Benzo[g,h,i]perylene	0.016	J	0.039	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Benzo[k]fluoranthene	0.021	J	0.039	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Chrysene	0.027	J	0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Fluoranthene	0.033	J	0.039	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Hexachlorobenzene	<0.080	*	0.080	0.0092	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Methylnaphthalene	0.012	J	0.039	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Date Collected: 10/21/15 10:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.2

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	☼	10/23/15 08:24	10/29/15 02:50	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Phenanthrene	0.028	J	0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Phenol	<0.20	*	0.20	0.088	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
Pyrene	0.037	J	0.039	0.0079	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		25 - 119	10/23/15 08:24	10/29/15 02:50	1
2-Fluorophenol	119	X	25 - 110	10/23/15 08:24	10/29/15 02:50	1
Nitrobenzene-d5	85		25 - 115	10/23/15 08:24	10/29/15 02:50	1
Phenol-d5	93		31 - 110	10/23/15 08:24	10/29/15 02:50	1
Terphenyl-d14	128		36 - 134	10/23/15 08:24	10/29/15 02:50	1
2,4,6-Tribromophenol	109		35 - 137	10/23/15 08:24	10/29/15 02:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.2	0.25	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Arsenic	12		0.60	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Barium	35		0.60	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Beryllium	0.58		0.24	0.052	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Cadmium	0.21		0.12	0.035	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Chromium	13	B	0.60	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Cobalt	14		0.30	0.068	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Copper	30	B	0.60	0.13	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Iron	23000		12	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Lead	19		0.30	0.15	mg/Kg	☼	10/22/15 17:41	10/24/15 16:16	1
Magnesium	24000		6.0	2.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Calcium	43000		12	3.9	mg/Kg	☼	10/22/15 17:41	10/24/15 16:16	1
Manganese	380		0.60	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Nickel	32		0.60	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Selenium	0.68		0.60	0.30	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Thallium	0.30	J	0.60	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Vanadium	16		0.30	0.087	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Zinc	56		1.2	0.38	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Potassium	1500		30	4.9	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1
Sodium	390		60	7.9	mg/Kg	☼	10/22/15 17:41	10/23/15 22:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Barium	0.49	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:06	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Date Collected: 10/21/15 10:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 14:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Cobalt	0.018	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Copper	0.011	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:06	1
Magnesium	34		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:06	1
Manganese	4.4		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Nickel	0.023	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Potassium	6.3		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:06	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:06	1
Zinc	0.041	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Barium	0.16	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 17:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 17:22	1
Calcium	24	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 17:22	1
Chromium	0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Copper	0.031		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Iron	17		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 17:22	1
Lead	0.019		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 17:22	1
Magnesium	10	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:22	1
Manganese	0.27		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Nickel	0.026		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Potassium	7.8		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 17:22	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Vanadium	0.029		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:22	1
Zinc	0.088	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 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		10/25/15 19:18	10/28/15 15:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:36	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 09:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (5-10)

Lab Sample ID: 500-102889-2

Date Collected: 10/21/15 10:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.2

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		10/26/15 16:00	10/27/15 08:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:14	1
pH	8.27		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Date Collected: 10/21/15 10:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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	☼	10/22/15 17:45	10/23/15 18:03	1
Benzene	<0.0045		0.0045	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Bromodichloromethane	<0.0045		0.0045	0.00075	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Carbon tetrachloride	<0.0045		0.0045	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Dibromochloromethane	<0.0045		0.0045	0.00051	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,3-Dichloropropene, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Toluene	<0.0045		0.0045	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00086	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1
Xylenes, Total	<0.0089		0.0089	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	10/22/15 17:45	10/23/15 18:03	1
Dibromofluoromethane	103		75 - 120	10/22/15 17:45	10/23/15 18:03	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 18:03	1
Toluene-d8 (Surr)	113		75 - 122	10/22/15 17:45	10/23/15 18:03	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	☼	10/23/15 08:24	10/29/15 03:18	1
Acenaphthylene	<0.039	*	0.039	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Date Collected: 10/21/15 10:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Chrysene	0.018	J	0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Hexachlorobenzene	<0.078	*	0.078	0.0090	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Methylnaphthalene	0.10		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Naphthalene	0.022	J	0.039	0.0060	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Date Collected: 10/21/15 10:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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	☼	10/23/15 08:24	10/29/15 03:18	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Phenanthrene	0.063		0.039	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Phenol	<0.20	*	0.20	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Pyrene	0.015	J	0.039	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		25 - 119				10/23/15 08:24	10/29/15 03:18	1
2-Fluorophenol	88		25 - 110				10/23/15 08:24	10/29/15 03:18	1
Nitrobenzene-d5	110		25 - 115				10/23/15 08:24	10/29/15 03:18	1
Phenol-d5	77		31 - 110				10/23/15 08:24	10/29/15 03:18	1
Terphenyl-d14	118		36 - 134				10/23/15 08:24	10/29/15 03:18	1
2,4,6-Tribromophenol	82		35 - 137				10/23/15 08:24	10/29/15 03:18	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	☼	10/22/15 17:41	10/23/15 22:24	1
Arsenic	5.8		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Barium	36		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Beryllium	0.65		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Cadmium	0.18		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Chromium	16	B	0.57	0.097	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Cobalt	16		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Copper	24	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Iron	16000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Lead	11		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 16:30	1
Magnesium	25000		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Calcium	50000		11	3.6	mg/Kg	☼	10/22/15 17:41	10/24/15 16:30	1
Manganese	290		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Nickel	36		0.57	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Selenium	0.35	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Vanadium	18		0.28	0.083	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Zinc	54		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Potassium	2400		28	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1
Sodium	530		57	7.5	mg/Kg	☼	10/22/15 17:41	10/23/15 22:24	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Barium	0.55		0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Date Collected: 10/21/15 10:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 14:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Cobalt	0.027		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:13	1
Magnesium	29		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:13	1
Manganese	1.3		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Nickel	0.078		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Potassium	10		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:13	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:13	1
Zinc	0.040	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Barium	0.20	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 17:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 17:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 17:45	1
Calcium	66	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 17:45	1
Chromium	0.030		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Cobalt	0.014	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Copper	0.033		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Iron	12		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 17:45	1
Lead	0.0080		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 17:45	1
Magnesium	15	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:45	1
Manganese	0.34		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Nickel	0.037		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Potassium	11		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 17:45	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Vanadium	0.037		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:45	1
Zinc	0.37	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 17:45	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		10/25/15 19:18	10/28/15 15:40	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:40	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 09:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (10-15)

Lab Sample ID: 500-102889-3

Date Collected: 10/21/15 10:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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		10/26/15 16:00	10/27/15 08:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:15	1
pH	8.21		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Date Collected: 10/21/15 10:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	0.0033	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,3-Dichloropropane, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/22/15 17:45	10/23/15 18:28	1
Dibromofluoromethane	102		75 - 120	10/22/15 17:45	10/23/15 18:28	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/23/15 18:28	1
Toluene-d8 (Surr)	117		75 - 122	10/22/15 17:45	10/23/15 18:28	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	☼	10/23/15 08:24	10/29/15 03:46	1
Acenaphthylene	<0.038	*	0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Date Collected: 10/21/15 10:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Chrysene	0.013	J	0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Hexachlorobenzene	<0.077	*	0.077	0.0089	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Methylnaphthalene	0.10		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Naphthalene	0.034	J	0.038	0.0059	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Date Collected: 10/21/15 10:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.77		0.77	0.37	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Phenanthrene	0.054		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Phenol	<0.19	*	0.19	0.085	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Pyrene	0.015	J	0.038	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.088	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119				10/23/15 08:24	10/29/15 03:46	1
2-Fluorophenol	113	X	25 - 110				10/23/15 08:24	10/29/15 03:46	1
Nitrobenzene-d5	91		25 - 115				10/23/15 08:24	10/29/15 03:46	1
Phenol-d5	91		31 - 110				10/23/15 08:24	10/29/15 03:46	1
Terphenyl-d14	129		36 - 134				10/23/15 08:24	10/29/15 03:46	1
2,4,6-Tribromophenol	93		35 - 137				10/23/15 08:24	10/29/15 03:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.2	0.24	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Arsenic	6.6		0.58	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Barium	36		0.58	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Beryllium	0.65		0.23	0.050	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Cadmium	0.16		0.12	0.034	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Chromium	16	B	0.58	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Cobalt	13		0.29	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Copper	24	B	0.58	0.13	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Iron	18000		12	4.5	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Lead	11		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 16:59	1
Magnesium	27000		5.8	2.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Calcium	55000		12	3.7	mg/Kg	☼	10/22/15 17:41	10/24/15 16:59	1
Manganese	320		0.58	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Nickel	33		0.58	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Vanadium	17		0.29	0.085	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Zinc	48		1.2	0.37	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Potassium	2300		29	4.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1
Sodium	150		58	7.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Barium	0.61		0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Date Collected: 10/21/15 10:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.5

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		10/25/15 19:18	10/26/15 14:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Copper	0.013	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:20	1
Magnesium	25		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:20	1
Manganese	1.8		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Nickel	0.057		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Potassium	11		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:20	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:20	1
Zinc	0.035	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Barium	0.098	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 17:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 17:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 17:52	1
Calcium	24	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 17:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Copper	0.014	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Iron	1.5		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 17:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 17:52	1
Magnesium	7.6	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:52	1
Manganese	0.061		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Potassium	4.1		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 17:52	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:52	1
Zinc	0.052	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 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		10/25/15 19:18	10/28/15 15:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:44	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 09:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B01 (15-21)

Lab Sample ID: 500-102889-4

Date Collected: 10/21/15 10:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.5

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		10/26/15 16:00	10/27/15 08:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:15	1
pH	8.15		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Date Collected: 10/21/15 10:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Vinyl acetate	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	10/22/15 17:45	10/23/15 18:53	1
Dibromofluoromethane	101		75 - 120	10/22/15 17:45	10/23/15 18:53	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/22/15 17:45	10/23/15 18:53	1
Toluene-d8 (Surr)	111		75 - 122	10/22/15 17:45	10/23/15 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Acenaphthylene	<0.037	*	0.037	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Date Collected: 10/21/15 10:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.037		0.037	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Hexachlorobenzene	<0.076	*	0.076	0.0087	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
3-Nitroaniline	<0.37	*	0.37	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Date Collected: 10/21/15 10:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.76		0.76	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Phenol	<0.19	*	0.19	0.084	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4,5-Trichlorophenol	<0.37	*	0.37	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	102		25 - 119	10/23/15 08:24	10/29/15 04:14	1
2-Fluorophenol	120	X	25 - 110	10/23/15 08:24	10/29/15 04:14	1
Nitrobenzene-d5	95		25 - 115	10/23/15 08:24	10/29/15 04:14	1
Phenol-d5	93		31 - 110	10/23/15 08:24	10/29/15 04:14	1
Terphenyl-d14	129		36 - 134	10/23/15 08:24	10/29/15 04:14	1
2,4,6-Tribromophenol	100		35 - 137	10/23/15 08:24	10/29/15 04:14	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	☼	10/22/15 17:41	10/23/15 22:42	1
Arsenic	11		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Barium	68		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Beryllium	0.76		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Cadmium	0.14		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Chromium	17	B	0.57	0.098	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Cobalt	17		0.29	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Copper	33	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Iron	23000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Lead	18		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 17:12	1
Magnesium	13000		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Calcium	25000		11	3.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Manganese	400		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Nickel	42		0.57	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Selenium	0.29	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Vanadium	20		0.29	0.083	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Zinc	57		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Potassium	1400		29	4.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	1
Sodium	420		57	7.5	mg/Kg	☼	10/22/15 17:41	10/23/15 22:42	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		10/25/15 19:18	10/26/15 14:27	1
Barium	0.42	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Date Collected: 10/21/15 10:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	520		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 14:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:27	1
Magnesium	31		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:27	1
Manganese	0.044		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Potassium	2.7		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:27	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:27	1
Zinc	0.78		0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Barium	0.17	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 17:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 17:58	1
Calcium	26	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 17:58	1
Chromium	0.016	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Copper	0.023	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Iron	9.2		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 17:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 17:58	1
Magnesium	9.3	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:58	1
Manganese	0.069		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Nickel	0.015	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Potassium	4.2		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 17:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 17:58	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Vanadium	0.018	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 17:58	1
Zinc	0.41	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 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		10/25/15 19:18	10/28/15 15:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:47	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 09:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)

Lab Sample ID: 500-102889-5

Date Collected: 10/21/15 10:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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		10/26/15 16:00	10/27/15 08:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:15	1
pH	8.83		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Date Collected: 10/21/15 11:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0034	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Bromoform	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Carbon tetrachloride	<0.0043		0.0043	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Chloroform	<0.0043		0.0043	0.00085	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,3-Dichloropropane, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1
Xylenes, Total	<0.0087		0.0087	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122	10/22/15 17:45	10/23/15 19:18	1
Dibromofluoromethane	98		75 - 120	10/22/15 17:45	10/23/15 19:18	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/22/15 17:45	10/23/15 19:18	1
Toluene-d8 (Surr)	116		75 - 122	10/22/15 17:45	10/23/15 19:18	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	☼	10/23/15 08:24	10/29/15 04:43	1
Acenaphthylene	<0.037	*	0.037	0.0049	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Date Collected: 10/21/15 11:00

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.037		0.037	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Hexachlorobenzene	<0.075	*	0.075	0.0087	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
3-Nitroaniline	<0.37	*	0.37	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Date Collected: 10/21/15 11:00

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.75		0.75	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Phenanthrene	0.047		0.037	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Phenol	<0.19	*	0.19	0.083	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4,5-Trichlorophenol	<0.37	*	0.37	0.085	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		25 - 119	10/23/15 08:24	10/29/15 04:43	1
2-Fluorophenol	97		25 - 110	10/23/15 08:24	10/29/15 04:43	1
Nitrobenzene-d5	107		25 - 115	10/23/15 08:24	10/29/15 04:43	1
Phenol-d5	94		31 - 110	10/23/15 08:24	10/29/15 04:43	1
Terphenyl-d14	139	X	36 - 134	10/23/15 08:24	10/29/15 04:43	1
2,4,6-Tribromophenol	90		35 - 137	10/23/15 08:24	10/29/15 04:43	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	☼	10/22/15 17:41	10/23/15 22:47	1
Arsenic	11		0.55	0.25	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Barium	17		0.55	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Beryllium	0.47		0.22	0.048	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Cadmium	0.16		0.11	0.032	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Chromium	12	B	0.55	0.095	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Cobalt	13		0.28	0.062	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Copper	31	B	0.55	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Iron	16000		11	4.2	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Lead	13		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 17:19	1
Magnesium	30000		5.5	2.2	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Calcium	75000		110	35	mg/Kg	☼	10/22/15 17:41	10/24/15 17:26	10
Manganese	350		0.55	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Nickel	32		0.55	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Selenium	0.67		0.55	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Thallium	0.49	J	0.55	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Vanadium	13		0.28	0.080	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Zinc	47		1.1	0.35	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Potassium	1600		28	4.5	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1
Sodium	270		55	7.3	mg/Kg	☼	10/22/15 17:41	10/23/15 22:47	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Barium	0.23	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Date Collected: 10/21/15 11:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 14:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Cobalt	0.062		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Copper	0.019	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:33	1
Magnesium	34		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:33	1
Manganese	1.4		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Nickel	0.14		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Potassium	7.4		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:33	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:33	1
Zinc	<0.70		0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Barium	0.075	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 18:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 18:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 18:05	1
Calcium	23	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 18:05	1
Chromium	0.014	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Copper	0.027		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Iron	4.0		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 18:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 18:05	1
Magnesium	7.8	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:05	1
Manganese	0.062		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Nickel	0.020	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Potassium	5.0		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 18:05	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Vanadium	0.015	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:05	1
Zinc	0.063	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 18:05	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		10/25/15 19:18	10/28/15 15:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:51	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (6-13)

Lab Sample ID: 500-102889-6

Date Collected: 10/21/15 11:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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		10/26/15 16:00	10/27/15 09:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:15	1
pH	8.15		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Date Collected: 10/21/15 11:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0033	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,3-Dichloropropene, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 122	10/22/15 17:45	10/23/15 19:43	1
Dibromofluoromethane	101		75 - 120	10/22/15 17:45	10/23/15 19:43	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/23/15 19:43	1
Toluene-d8 (Surr)	112		75 - 122	10/22/15 17:45	10/23/15 19:43	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	☼	10/23/15 08:24	10/29/15 00:57	1
Acenaphthylene	<0.039	*	0.039	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Date Collected: 10/21/15 11:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.6

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	☼	10/23/15 08:24	10/29/15 00:57	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Hexachlorobenzene	<0.079	*	0.079	0.0091	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Date Collected: 10/21/15 11:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.6

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	☼	10/23/15 08:24	10/29/15 00:57	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Phenol	<0.20	*	0.20	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/23/15 08:24	10/29/15 00:57	1
2-Fluorophenol	90		25 - 110	10/23/15 08:24	10/29/15 00:57	1
Nitrobenzene-d5	87		25 - 115	10/23/15 08:24	10/29/15 00:57	1
Phenol-d5	83		31 - 110	10/23/15 08:24	10/29/15 00:57	1
Terphenyl-d14	111		36 - 134	10/23/15 08:24	10/29/15 00:57	1
2,4,6-Tribromophenol	94		35 - 137	10/23/15 08:24	10/29/15 00:57	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	☼	10/22/15 17:41	10/23/15 22:52	1
Arsenic	8.3		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Barium	33		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Beryllium	0.62		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Cadmium	0.12		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Chromium	15	B	0.57	0.098	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Cobalt	9.0		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Copper	35	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Iron	18000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Lead	16		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 17:33	1
Magnesium	24000		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Calcium	46000		11	3.7	mg/Kg	☼	10/22/15 17:41	10/24/15 17:33	1
Manganese	270		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Nickel	25		0.57	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Selenium	0.51	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Vanadium	17		0.28	0.083	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Zinc	51		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Potassium	2000		28	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1
Sodium	400		57	7.5	mg/Kg	☼	10/22/15 17:41	10/23/15 22:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Barium	0.28	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 14:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 14:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 14:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Date Collected: 10/21/15 11:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.6

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		10/25/15 19:18	10/26/15 14:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 14:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 14:56	1
Magnesium	59		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:56	1
Manganese	0.34		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Potassium	2.3	J	2.5	0.50	mg/L		10/25/15 19:18	10/26/15 14:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 14:56	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 14:56	1
Zinc	0.39	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Barium	0.28	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 18:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 18:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 18:12	1
Calcium	34	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 18:12	1
Chromium	0.091		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Cobalt	0.027		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Copper	0.16		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Iron	100		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 18:12	1
Lead	0.054		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 18:12	1
Magnesium	27	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:12	1
Manganese	0.37		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Nickel	0.11		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Potassium	20		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 18:12	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Vanadium	0.12		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:12	1
Zinc	0.32	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 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		10/25/15 19:18	10/28/15 15:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:55	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 19:57	1
Thallium	0.0031		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B02 (0-6)Dup

Lab Sample ID: 500-102889-7

Date Collected: 10/21/15 11:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.6

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		10/26/15 16:00	10/27/15 09:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:16	1
pH	8.60		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Date Collected: 10/21/15 11:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.039		0.022	0.0042	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Benzene	<0.0055		0.0055	0.0012	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Bromodichloromethane	<0.0055		0.0055	0.00093	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Bromoform	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Bromomethane	<0.0055		0.0055	0.0020	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
2-Butanone (MEK)	<0.0055		0.0055	0.0020	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Carbon disulfide	<0.0055		0.0055	0.0020	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Carbon tetrachloride	<0.0055		0.0055	0.0012	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Chlorobenzene	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Chloroethane	<0.0055		0.0055	0.0023	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Chloroform	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Chloromethane	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
cis-1,2-Dichloroethene	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
cis-1,3-Dichloropropene	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Dibromochloromethane	<0.0055		0.0055	0.00063	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,1-Dichloroethane	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,2-Dichloroethane	<0.0055		0.0055	0.00081	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,1-Dichloroethene	<0.0055		0.0055	0.0020	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,2-Dichloropropane	<0.0055		0.0055	0.0014	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,3-Dichloropropane, Total	<0.0055		0.0055	0.0015	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Ethylbenzene	<0.0055		0.0055	0.0014	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
2-Hexanone	<0.0055		0.0055	0.0017	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Methylene Chloride	<0.0055		0.0055	0.0042	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
4-Methyl-2-pentanone (MIBK)	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Methyl tert-butyl ether	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Styrene	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,1,2,2-Tetrachloroethane	<0.0055		0.0055	0.00087	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Tetrachloroethene	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Toluene	<0.0055		0.0055	0.0019	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
trans-1,2-Dichloroethene	<0.0055		0.0055	0.0014	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
trans-1,3-Dichloropropene	<0.0055		0.0055	0.0015	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,1,1-Trichloroethane	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
1,1,2-Trichloroethane	<0.0055		0.0055	0.0011	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Trichloroethene	<0.0055		0.0055	0.0015	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Vinyl acetate	<0.0055		0.0055	0.0015	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Vinyl chloride	<0.0055		0.0055	0.0013	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	✱	10/22/15 17:45	10/23/15 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 122	10/22/15 17:45	10/23/15 14:52	1
Dibromofluoromethane	102		75 - 120	10/22/15 17:45	10/23/15 14:52	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/23/15 14:52	1
Toluene-d8 (Surr)	93		75 - 122	10/22/15 17:45	10/23/15 14:52	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	✱	10/23/15 08:24	10/29/15 01:25	1
Acenaphthylene	<0.039	*	0.039	0.0052	mg/Kg	✱	10/23/15 08:24	10/29/15 01:25	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✱	10/23/15 08:24	10/29/15 01:25	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	10/23/15 08:24	10/29/15 01:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Date Collected: 10/21/15 11:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 79.4

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	☼	10/23/15 08:24	10/29/15 01:25	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Hexachlorobenzene	<0.080	*	0.080	0.0092	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Date Collected: 10/21/15 11:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 79.4

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	☼	10/23/15 08:24	10/29/15 01:25	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Phenol	<0.20	*	0.20	0.088	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	113		25 - 119	10/23/15 08:24	10/29/15 01:25	1
2-Fluorophenol	95		25 - 110	10/23/15 08:24	10/29/15 01:25	1
Nitrobenzene-d5	84		25 - 115	10/23/15 08:24	10/29/15 01:25	1
Phenol-d5	93		31 - 110	10/23/15 08:24	10/29/15 01:25	1
Terphenyl-d14	118		36 - 134	10/23/15 08:24	10/29/15 01:25	1
2,4,6-Tribromophenol	114		35 - 137	10/23/15 08:24	10/29/15 01:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.24	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Arsenic	9.0		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Barium	73		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Beryllium	0.69		0.23	0.050	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Cadmium	0.26		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Chromium	14	B	0.57	0.099	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Cobalt	11		0.29	0.065	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Copper	25	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Iron	16000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Lead	32		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 17:46	1
Magnesium	6500		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Calcium	9700		11	3.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Manganese	190		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Nickel	25		0.57	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Selenium	0.47	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Vanadium	21		0.29	0.084	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Zinc	71		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Potassium	1100		29	4.7	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1
Sodium	500		57	7.6	mg/Kg	☼	10/22/15 17:41	10/23/15 22:57	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Barium	0.45	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Date Collected: 10/21/15 11:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 15:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Cobalt	0.029		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:03	1
Magnesium	130		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:03	1
Manganese	4.1		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Nickel	0.019	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Potassium	7.3		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:03	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:03	1
Zinc	0.039	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Barium	0.22	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 18:19	1
Calcium	26	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 18:19	1
Chromium	0.051		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Copper	0.086		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Iron	52		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 18:19	1
Lead	0.054		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 18:19	1
Magnesium	15	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:19	1
Manganese	0.50		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Nickel	0.061		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Potassium	11		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 18:19	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Vanadium	0.078		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:19	1
Zinc	0.19	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 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		10/25/15 19:18	10/28/15 15:59	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 15:59	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:01	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (0-6)

Lab Sample ID: 500-102889-8

Date Collected: 10/21/15 11:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 79.4

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		10/26/15 16:00	10/27/15 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.61		0.61	0.20	mg/Kg	☼	10/22/15 19:30	10/22/15 22:16	1
pH	8.15		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Date Collected: 10/21/15 11:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Bromodichloromethane	<0.0048		0.0048	0.00082	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Bromoform	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Dibromochloromethane	<0.0048		0.0048	0.00056	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,1-Dichloroethane	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,2-Dichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Methylene Chloride	<0.0048		0.0048	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,1,1,2-Tetrachloroethane	<0.0048		0.0048	0.00077	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Vinyl chloride	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 122	10/22/15 17:45	10/23/15 15:16	1
Dibromofluoromethane	100		75 - 120	10/22/15 17:45	10/23/15 15:16	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/22/15 17:45	10/23/15 15:16	1
Toluene-d8 (Surr)	95		75 - 122	10/22/15 17:45	10/23/15 15:16	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	☼	10/23/15 08:24	10/29/15 05:11	1
Acenaphthylene	<0.038	*	0.038	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Date Collected: 10/21/15 11:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Hexachlorobenzene	<0.077	*	0.077	0.0088	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Methylnaphthalene	0.029	J	0.038	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Date Collected: 10/21/15 11:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.77		0.77	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Phenanthrene	0.067		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Phenol	<0.19	*	0.19	0.085	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Pyrene	0.021	J	0.038	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119				10/23/15 08:24	10/29/15 05:11	1
2-Fluorophenol	90		25 - 110				10/23/15 08:24	10/29/15 05:11	1
Nitrobenzene-d5	77		25 - 115				10/23/15 08:24	10/29/15 05:11	1
Phenol-d5	88		31 - 110				10/23/15 08:24	10/29/15 05:11	1
Terphenyl-d14	137	X	36 - 134				10/23/15 08:24	10/29/15 05:11	1
2,4,6-Tribromophenol	85		35 - 137				10/23/15 08:24	10/29/15 05:11	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	☼	10/22/15 17:41	10/23/15 23:02	1
Arsenic	7.4		0.54	0.25	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Barium	24		0.54	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Beryllium	0.60		0.22	0.047	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Cadmium	0.14		0.11	0.032	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Chromium	15	B	0.54	0.094	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Cobalt	12		0.27	0.062	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Copper	25	B	0.54	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Iron	17000		11	4.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Lead	13		0.27	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 17:53	1
Magnesium	22000		5.4	2.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Calcium	44000		11	3.5	mg/Kg	☼	10/22/15 17:41	10/24/15 17:53	1
Manganese	290		0.54	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Nickel	34		0.54	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Selenium	0.53	J	0.54	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Vanadium	15		0.27	0.079	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Zinc	53		1.1	0.34	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Potassium	1800		27	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	1
Sodium	350		54	7.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:02	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		10/25/15 19:18	10/26/15 15:09	1
Barium	0.26	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Date Collected: 10/21/15 11:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	530		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 15:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Cobalt	0.023	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:09	1
Magnesium	40		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:09	1
Manganese	1.9		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Nickel	0.055		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Potassium	6.9		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:09	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:09	1
Zinc	0.15	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Barium	0.14	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 18:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 18:26	1
Calcium	46	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 18:26	1
Chromium	0.029		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Copper	0.039		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Iron	15		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 18:26	1
Lead	0.010		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 18:26	1
Magnesium	15	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:26	1
Manganese	0.30		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Nickel	0.033		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Potassium	9.6		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 18:26	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Vanadium	0.033		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:26	1
Zinc	2.3	B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 18:26	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		10/25/15 19:18	10/28/15 16:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B03 (6-13)

Lab Sample ID: 500-102889-9

Date Collected: 10/21/15 11:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.5

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		10/26/15 16:00	10/27/15 09:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.017	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/22/15 19:30	10/22/15 22:16	1
pH	8.16		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Date Collected: 10/21/15 11:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Bromodichloromethane	<0.0050		0.0050	0.00085	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Chloroform	<0.0050		0.0050	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Dibromochloromethane	<0.0050		0.0050	0.00058	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00080	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Trichloroethene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 122	10/22/15 17:45	10/23/15 15:41	1
Dibromofluoromethane	101		75 - 120	10/22/15 17:45	10/23/15 15:41	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 15:41	1
Toluene-d8 (Surr)	100		75 - 122	10/22/15 17:45	10/23/15 15:41	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	☼	10/23/15 08:24	10/29/15 05:39	1
Acenaphthylene	<0.036	*	0.036	0.0048	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Date Collected: 10/21/15 11:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.9

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	☼	10/23/15 08:24	10/29/15 05:39	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4-Bromophenyl phenyl ether	<0.18	*	0.18	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Chrysene	0.022	J	0.036	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Hexachlorobenzene	<0.073	*	0.073	0.0084	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
3-Nitroaniline	<0.36	*	0.36	0.11	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Date Collected: 10/21/15 11:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.9

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	☼	10/23/15 08:24	10/29/15 05:39	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Phenol	<0.18	*	0.18	0.081	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
Pyrene	0.024	J	0.036	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4,5-Trichlorophenol	<0.36	*	0.36	0.083	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		25 - 119	10/23/15 08:24	10/29/15 05:39	1
2-Fluorophenol	94		25 - 110	10/23/15 08:24	10/29/15 05:39	1
Nitrobenzene-d5	82		25 - 115	10/23/15 08:24	10/29/15 05:39	1
Phenol-d5	78		31 - 110	10/23/15 08:24	10/29/15 05:39	1
Terphenyl-d14	141	X	36 - 134	10/23/15 08:24	10/29/15 05:39	1
2,4,6-Tribromophenol	89		35 - 137	10/23/15 08:24	10/29/15 05:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.1	0.23	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Arsenic	11		0.56	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Barium	39		0.56	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Beryllium	0.45		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Cadmium	0.24		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Chromium	10	B	0.56	0.097	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Cobalt	12		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Copper	34	B	0.56	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Iron	17000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Lead	15		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 18:26	1
Magnesium	29000		5.6	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Calcium	48000		11	3.6	mg/Kg	☼	10/22/15 17:41	10/24/15 18:26	1
Manganese	500		0.56	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Nickel	29		0.56	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Selenium	1.0		0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Vanadium	12		0.28	0.082	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Zinc	61		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Potassium	1100		28	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	1
Sodium	520		56	7.5	mg/Kg	☼	10/22/15 17:41	10/23/15 23:07	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		10/25/15 19:18	10/26/15 15:16	1
Barium	0.28	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Date Collected: 10/21/15 11:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.9

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		10/25/15 19:18	10/26/15 15:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:16	1
Magnesium	100		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:16	1
Manganese	1.5		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Nickel	0.012	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Potassium	4.2	F1	2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:16	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:16	1
Zinc	0.023	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Barium	0.085	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 18:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 18:55	1
Calcium	17	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 18:55	1
Chromium	0.014	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Copper	0.026		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Iron	7.6		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 18:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 18:55	1
Magnesium	6.6	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:55	1
Manganese	0.13		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Nickel	0.014	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Potassium	4.1		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 18:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 18:55	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Vanadium	0.013	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 18:55	1
Zinc	0.077	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 18:55	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		10/25/15 19:18	10/28/15 16:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:19	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:15	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (0-6)

Lab Sample ID: 500-102889-10

Date Collected: 10/21/15 11:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.9

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		10/26/15 16:00	10/27/15 09:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/22/15 19:30	10/22/15 22:17	1
pH	8.33		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Date Collected: 10/21/15 12:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.5

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	☼	10/22/15 17:45	10/23/15 16:07	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/22/15 17:45	10/23/15 16:07	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 16:07	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/22/15 17:45	10/23/15 16:07	1
Toluene-d8 (Surr)	99		75 - 122	10/22/15 17:45	10/23/15 16:07	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	☼	10/23/15 08:24	10/29/15 06:07	1
Acenaphthylene	<0.036	*	0.036	0.0048	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Date Collected: 10/21/15 12:00

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.036		0.036	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4-Bromophenyl phenyl ether	<0.18	*	0.18	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4-Dinitrophenol	<0.74		0.74	0.64	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Hexachlorobenzene	<0.074	*	0.074	0.0085	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Methylnaphthalene	0.075		0.036	0.0067	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
3-Nitroaniline	<0.36	*	0.36	0.11	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Date Collected: 10/21/15 12:00

Matrix: Solid

Date Received: 10/22/15 08:55

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	☼	10/23/15 08:24	10/29/15 06:07	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Phenanthrene	0.078		0.036	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Phenol	<0.18	*	0.18	0.081	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4,5-Trichlorophenol	<0.36	*	0.36	0.083	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		25 - 119	10/23/15 08:24	10/29/15 06:07	1
2-Fluorophenol	88		25 - 110	10/23/15 08:24	10/29/15 06:07	1
Nitrobenzene-d5	83		25 - 115	10/23/15 08:24	10/29/15 06:07	1
Phenol-d5	86		31 - 110	10/23/15 08:24	10/29/15 06:07	1
Terphenyl-d14	152	X	36 - 134	10/23/15 08:24	10/29/15 06:07	1
2,4,6-Tribromophenol	86		35 - 137	10/23/15 08:24	10/29/15 06:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.1	0.23	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Arsenic	6.8		0.56	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Barium	39		0.56	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Beryllium	0.58		0.22	0.048	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Cadmium	0.32		0.11	0.032	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Cobalt	13		0.28	0.063	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Copper	25	B	0.56	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Iron	17000		11	4.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Lead	16		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 18:39	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Calcium	51000		11	3.6	mg/Kg	☼	10/22/15 17:41	10/24/15 18:39	1
Manganese	310		0.56	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Nickel	32		0.56	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Selenium	0.42	J	0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Vanadium	16		0.28	0.081	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Zinc	87		1.1	0.35	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Potassium	2100		28	4.5	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	1
Sodium	190		56	7.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:12	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		10/25/15 19:18	10/26/15 15:43	1
Barium	0.72		0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Date Collected: 10/21/15 12:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	530		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 15:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:43	1
Magnesium	27		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:43	1
Manganese	2.0		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Nickel	0.058		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Potassium	9.7		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:43	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:43	1
Zinc	0.10	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Barium	0.063	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 19:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 19:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 19:02	1
Calcium	21	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 19:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Iron	2.3		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 19:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 19:02	1
Magnesium	6.7	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:02	1
Manganese	0.048		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Potassium	3.1		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 19:02	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:02	1
Zinc	0.026	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 19:02	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		10/25/15 19:18	10/28/15 16:34	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:34	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Client Sample ID: 2678-20-B04 (6-13)

Lab Sample ID: 500-102889-11

Date Collected: 10/21/15 12:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.5

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		10/26/15 16:00	10/27/15 09:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.0059	mg/Kg	☼	10/27/15 16:00	10/28/15 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/22/15 19:30	10/22/15 22:18	1
pH	7.90		0.200	0.200	SU			10/28/15 13:06	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control 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
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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-1

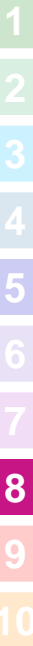
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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 6
Phone: 708.534.5200 Fax: 708.534.5200



500-102689 COC

Report To (optional)

Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Naperville, IL
Phone: 630-777-9263
Fax: 630-357-9489
E-Mail: Matt.Weiss@terracon.com

Bill To (optional)

Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job # 500-102889
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: 32, 2, 7, 12, 9, 3, 4

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
		<u>11157103</u>									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>Schaumburg, IL</u>											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
<u>Chad Kelly</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total 24 Inorganics	TRCP 24 Inorganics	PH
<u>1</u>		<u>2678-20-B01 (0-5)</u>	<u>10/21/15</u>	<u>10:15</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>2</u>		<u>2678-20-B01 (5-10)</u>	<u>10/21/15</u>	<u>10:20</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>3</u>		<u>2678-20-B01 (10-15)</u>	<u>10/21/15</u>	<u>10:25</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>4</u>		<u>2678-20-B01 (15-21)</u>	<u>10/21/15</u>	<u>10:30</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>5</u>		<u>2678-20-B02 (0-6)</u>	<u>10/21/15</u>	<u>10:55</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>6</u>		<u>2678-20-B02 (6-13)</u>	<u>10/21/15</u>	<u>11:00</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>7</u>		<u>2678-20-B02(0-6) Dup</u>	<u>10/21/15</u>	<u>11:05</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>8</u>		<u>2678-20-B03 (0-6)</u>	<u>10/21/15</u>	<u>11:25</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>9</u>		<u>2678-20-B03 (6-13)</u>	<u>10/21/15</u>	<u>11:30</u>	<u>6</u>	<u>S</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)

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

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 <u>Chad Kelly</u> Company <u>Terracon</u> Date <u>10/22/15</u> Time <u>7:45</u>	Received By <u>Randi Phillips</u> Company <u>TA</u> Date <u>10/22/15</u> Time <u>0345</u>
Relinquished By <u>Randi Phillips</u> Company <u>TA</u> Date <u>10/22/15</u> Time <u>0855</u>	Received By <u>Alvin Scott</u> Company <u>TA-CAPT</u> Date <u>10/22/15</u> Time <u>0855</u>

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

Matrix Key

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

Client Comments: Please meet IL TACO Requirements and please do NOT run Aluminum analysis. Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Dr.
 Address: Naperville, IL
 Phone: 630-717-4203
 Fax: 630-357-9489
 E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102889
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Total 24 Inorganics		TELP 24 Inorganics		SPLP 24 Inorganics		pH		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	
Project Name		Project Location/State		Lab Project #		Sampler		Date		Time		# of Containers		Matrix			Comments
Lab ID	MIS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix	Matrix		
10		2678-20-B04 (0-6)	10/21/15	11:55	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓		
11		2678-20-B04 (6-13)	10/21/15	12:00	6	S	✓	✓	✓	✓	✓	✓	✓	✓	✓		

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/22/15</u>	Time <u>7:45</u>	Received By <u>Dawn Phillips</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0745</u>
Relinquished By <u>Dawn Phillips</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0855</u>	Received By <u>Shirley Scott</u>	Company <u>TA-CRT</u>	Date <u>10/22/15</u>	Time <u>0855</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments
 Please meet ILTACo Requirements
 and please do NOT run Aluminum analysis.
 Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-102889-1

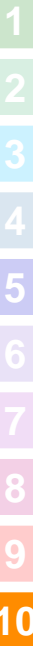
Login Number: 102889

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.9,3.4
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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (Westbound)- East of N. Martingale Rd and Higgins Rd IDOT STA 142+80 to 145+50 (ISGS Site 2678-21)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03782 Longitude: -88.03565

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03782 Longitude: -88.03565

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 and B03 were sampled adjacent to ISGS Site No 2678-21. See Exhibits 2, 3, 21, 3A and Table 24 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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 J102889-2. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. CCDD/USFO facility in MSA County.

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

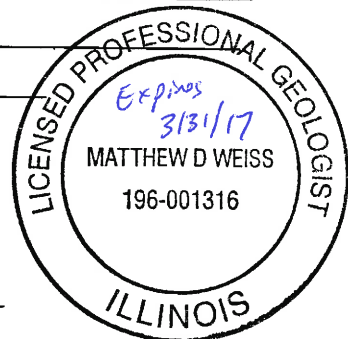
I, Matt Weiss (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental 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:

[Signature] Date: 12/11/15
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:



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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 6

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B02 (0-3)	2678-21-B03 (0-6)
				CCDD	Sample Depth (feet)	(0-3)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Benzene	mg/kg	---	---	0.03		<0.0042	<0.0046
Toluene	mg/kg	---	---	12		<0.0042	<0.0046
Ethylbenzene	mg/kg	---	---	13		<0.0042	<0.0046
Xylenes (total)	mg/kg	---	---	5.6		<0.0085	<0.0093
Methyl Tertiary-Butyl Ether	mg/kg	---	---	0.32		<0.0042	<0.0046
Acetone	mg/kg	---	---	25		<0.017	<0.019
Bromodichloromethane	mg/kg	---	---	0.6		<0.0042	<0.0046
Bromoform	mg/kg	---	---	0.8		<0.0042	<0.0046
Bromomethane	mg/kg	---	---	0.2		<0.0042	<0.0046
2-Butanone	mg/kg	---	---	17		<0.0042	<0.0046
Carbon Disulfide	mg/kg	---	---	9		<0.0042	<0.0046
Carbon Tetrachloride	mg/kg	---	---	0.07		<0.0042	<0.0046
Chlorobenzene	mg/kg	---	---	1		<0.0042	<0.0046
Chloroethane	mg/kg	---	---	---		<0.0042	<0.0046
Chloroform	mg/kg	---	---	0.3		<0.0042	<0.0046
Chloromethane	mg/kg	---	---	---		<0.0042	<0.0046
cis-1,2-Dichloroethene	mg/kg	---	---	0.4		<0.0042	<0.0046
Dibromochloromethane	mg/kg	---	---	0.4		<0.0042	<0.0046
1,1-Dichloroethane	mg/kg	---	---	23		<0.0042	<0.0046
1,2-Dichloroethane	mg/kg	---	---	0.02		<0.0042	<0.0046
1,1-Dichloroethene	mg/kg	---	---	0.06		<0.0042	<0.0046
1,2-Dichloropropane	mg/kg	---	---	0.03		<0.0042	<0.0046
1,3-Dichloropropane (cis + trans)	mg/kg	---	---	0.005		<0.0042	<0.0046
2-Hexanone	mg/kg	---	---	---		<0.0042	<0.0046
4-Methyl-2-pentanone	mg/kg	---	---	---		<0.0042	<0.0046
Methylene Chloride	mg/kg	---	---	0.02		<0.0042	<0.0046
Styrene	mg/kg	---	---	4		<0.0042	<0.0046
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---		<0.0042	<0.0046
Tetrachloroethene	mg/kg	---	---	0.06		<0.0042	<0.0046
trans-1,2-Dichloroethene	mg/kg	---	---	0.7		<0.0042	<0.0046
Trichloroethene	mg/kg	---	---	0.06		<0.0042	<0.0046
1,1,1-Trichloroethane	mg/kg	---	---	2		<0.0042	<0.0046
1,1,2-Trichloroethane	mg/kg	---	---	0.02		<0.0042	<0.0046
Vinyl Chloride	mg/kg	---	---	0.01		<0.0042	<0.0046
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.037	<0.040
Acenaphthylene	mg/kg	0.03	0.07	85		<0.037	<0.040
Anthracene	mg/kg	0.25	0.4	12000		<0.037	<0.040
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.040
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.040
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.040
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.040
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.040
Chrysene	mg/kg	1.2	2.7	88		0.019	<0.040
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.037	<0.040
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.040
Fluorene	mg/kg	0.1	0.18	560		<0.037	<0.040
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.037	<0.040
Naphthalene	mg/kg	0.04	0.2	1.8		<0.037	<0.040
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	<0.040
Pyrene	mg/kg	1.9	3.0	2300		<0.037	0.041
bis(2-Chloroethoxy) methane	mg/kg	---	---	---		<0.19	<0.20
bis(2-Chloroethyl) ether	mg/kg	---	---	0.66		<0.19	<0.20
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.20
4-Bromophenyl-phenyl ether	mg/kg	---	---	---		<0.19	<0.20
Butylbenzylphthalate	mg/kg	---	---	930		<0.19	<0.20
Carbazole	mg/kg	---	---	0.6		<0.19	<0.20
4-Chloroaniline	mg/kg	---	---	0.7		<0.76	<0.80
2-Chloronaphthalene	mg/kg	---	---	---		<0.19	<0.20
4-Chloro-3-methylphenol	mg/kg	---	---	---		<0.37	<0.40

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B02 (0-3)	2678-21-B03 (0-6)
				CCDD	Sample Depth (feet)	(0-3)	(0-6)
		mg/kg	Chicago	MSAs	Date Collected	10/21/2015	10/21/2015
		pH 6.25-9.0					
2-Chlorophenol	mg/kg	---	---	1.5		<0.19	<0.20
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---		<0.19	<0.20
Dibenzofuran	mg/kg	---	---	---		<0.19	<0.20
1,2-Dichlorobenzene	mg/kg	---	---	17		<0.19	<0.20
1,3-Dichlorobenzene	mg/kg	---	---	---		<0.19	<0.20
1,4-Dichlorobenzene	mg/kg	---	---	2		<0.19	<0.20
3,3'-Dichlorobenzidine	mg/kg	---	---	1.3		<0.19	<0.20
2,4-Dichlorophenol	mg/kg	---	---	0.48		<0.37	<0.40
Diethylphthalate	mg/kg	---	---	470		<0.19	<0.20
Dimethylphthalate	mg/kg	---	---	---		<0.19	<0.20
Di-n-butylphthalate	mg/kg	---	---	2300		<0.19	<0.20
2,4-Dimethylphenol	mg/kg	---	---	9		<0.37	<0.40
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---		<0.76	<0.80
2,4-Dinitrophenol	mg/kg	---	---	3.3		<0.76	<0.80
2,4-Dinitrotoluene	mg/kg	---	---	0.25		<0.19	<0.20
2,6-dinitrotoluene	mg/kg	---	---	0.26		<0.19	<0.20
Di-n-octylphthalate	mg/kg	---	---	1600		<0.19	<0.20
Hexachlorobenzene	mg/kg	---	---	0.4		<0.076	<0.080
Hexachlorobutadiene	mg/kg	---	---	---		<0.19	<0.20
Hexachlorocyclopentadiene	mg/kg	---	---	1.1		<0.76	<0.80
Hexachloroethane	mg/kg	---	---	0.5		<0.19	<0.20
Isophorone	mg/kg	---	---	8		<0.19	<0.20
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.040
2-Methylphenol	mg/kg	---	---	15		<0.19	<0.20
3 & 4-Methylphenol **	mg/kg	---	---	---		<0.19	<0.20
2-Nitroaniline	mg/kg	---	---	---		<0.19	<0.20
3-Nitroaniline	mg/kg	---	---	---		<0.37	<0.40
4-Nitroaniline	mg/kg	---	---	---		<0.37	<0.40
Nitrobenzene	mg/kg	---	---	0.26		<0.037	<0.040
2-Nitrophenol	mg/kg	---	---	---		<0.37	<0.40
4-Nitrophenol	mg/kg	---	---	---		<0.76	<0.80
N-Nitroso-di-n-propylamine	mg/kg	---	---	0.0018		<0.19	<0.20
N-nitrosodiphenylamine	mg/kg	---	---	1		<0.19	<0.20
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---		<0.19	<0.20
Pentachlorophenol	mg/kg	---	---	0.02		<0.76	<0.80
Phenol	mg/kg	---	---	100		<0.19	<0.20
1,2,4-Trichlorobenzene	mg/kg	---	---	5		<0.19	<0.20
2,4,5-Trichlorophenol	mg/kg	---	---	26		<0.37	<0.40
2,4,6-Trichlorophenol	mg/kg	---	---	0.66		<0.37	<0.40
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	7.8
Barium	mg/kg	---	110	1500		35	47
Cadmium	mg/kg	---	0.6	5.2		0.16	0.23
Chromium, total	mg/kg	---	16.2	21		13	16
Lead	mg/kg	---	36	107		17	53
Mercury	mg/kg	---	0.06	0.1		0.039	0.024
Selenium	mg/kg	---	0.48	1.3		0.5	0.38
Silver	mg/kg	---	0.55	4.4		<0.27	<0.30
Antimony	mg/kg	---	4.0	5		0.28	<1.2
Beryllium	mg/kg	---	0.59	22		0.56	0.63
Calcium	mg/kg	---	9,300	---		41000	43000
Cobalt	mg/kg	---	8.9	20		13	17
Copper	mg/kg	---	19.6	2900		30	25
Cyanide	mg/kg	---	0.51	---		<0.56	<0.60
Iron	mg/kg	---	15,900	15000		18000	19000
Magnesium	mg/kg	---	4,820	325000		22000	21000
Manganese	mg/kg	---	636	630		330	380
Nickel	mg/kg	---	18	100		32	35
Potassium	mg/kg	---	1,268	---		1700	2000
Sodium	mg/kg	---	130	---		670	640
Thallium	mg/kg	---	0.32	2.6		<0.53	<0.60
Vanadium	mg/kg	---	25.2	550		15	17

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B02 (0-3)	2678-21-B03 (0-6)
				CCDD	Sample Depth (feet)	(0-3)	(0-6)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Zinc	mg/kg	---	95	5100		61	66
pH			6.25	9		8.58	8.36
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.083	0.028
Barium,SPLP	mg/L	---	---	---		0.31	0.33
Beryllium,SPLP	mg/L	---	---	---		0.0047	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		31	53
Chromium,SPLP	mg/L	---	---	---		0.11	0.077
Cobalt,SPLP	mg/L	---	---	---		0.052	0.031
Copper,SPLP	mg/L	---	---	---		0.18	0.093
Iron,SPLP	mg/L	---	---	---		130	67
Lead,SPLP	mg/L	---	---	---		0.088	0.17
Magnesium,SPLP	mg/L	---	---	---		29	29
Manganese,SPLP	mg/L	---	---	---		0.67	0.59
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.16	0.092
Potassium,SPLP	mg/L	---	---	---		26	19
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0064	0.002
Vanadium,SPLP	mg/L	---	---	---		0.13	0.09
Zinc,SPLP	mg/L	---	---	---		0.35	0.24
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.35	0.43
Cadmium,TCLP	mg/L	---	---	---		<0.0050	<0.0050
Chromium,TCLP	mg/L	---	---	---		<0.025	<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075	0.0089
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	---	---	---		320	430
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		83	37
Manganese,TCLP	mg/L	---	---	---		1.3	0.91
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		4.6	6.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.04	0.033

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B03 (6-13)
				CCDD	Sample Depth (feet)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015
Volatile Organic Analytical Parameters						
Benzene	mg/kg	---	---	0.03		<0.0046
Toluene	mg/kg	---	---	12		<0.0046
Ethylbenzene	mg/kg	---	---	13		<0.0046
Xylenes (total)	mg/kg	---	---	5.6		<0.0092
Methyl Tertiary-Butyl Ether	mg/kg	---	---	0.32		<0.0046
Acetone	mg/kg	---	---	25		<0.018
Bromodichloromethane	mg/kg	---	---	0.6		<0.0046
Bromoform	mg/kg	---	---	0.8		<0.0046
Bromomethane	mg/kg	---	---	0.2		<0.0046
2-Butanone	mg/kg	---	---	17		<0.0046
Carbon Disulfide	mg/kg	---	---	9		<0.0046
Carbon Tetrachloride	mg/kg	---	---	0.07		<0.0046
Chlorobenzene	mg/kg	---	---	1		<0.0046
Chloroethane	mg/kg	---	---	---		<0.0046
Chloroform	mg/kg	---	---	0.3		<0.0046
Chloromethane	mg/kg	---	---	---		<0.0046
cis-1,2-Dichloroethene	mg/kg	---	---	0.4		<0.0046
Dibromochloromethane	mg/kg	---	---	0.4		<0.0046
1,1-Dichloroethane	mg/kg	---	---	23		<0.0046
1,2-Dichloroethane	mg/kg	---	---	0.02		<0.0046
1,1-Dichloroethene	mg/kg	---	---	0.06		<0.0046
1,2-Dichloropropane	mg/kg	---	---	0.03		<0.0046
1,3-Dichloropropene (cis + trans)	mg/kg	---	---	0.005		<0.0046
2-Hexanone	mg/kg	---	---	---		<0.0046
4-Methyl-2-pentanone	mg/kg	---	---	---		<0.0046
Methylene Chloride	mg/kg	---	---	0.02		<0.0046
Styrene	mg/kg	---	---	4		<0.0046
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---		<0.0046
Tetrachloroethene	mg/kg	---	---	0.06		<0.0046
trans-1,2-Dichloroethene	mg/kg	---	---	0.7		<0.0046
Trichloroethene	mg/kg	---	---	0.06		<0.0046
1,1,1-Trichloroethane	mg/kg	---	---	2		<0.0046
1,1,2-Trichloroethane	mg/kg	---	---	0.02		<0.0046
Vinyl Chloride	mg/kg	---	---	0.01		<0.0046
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		<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.039
Dibenzo(a,h)anthracene	mg/kg	0.2	0.42	0.09		<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039
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		<0.039
Naphthalene	mg/kg	0.04	0.2	1.8		<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.051
Pyrene	mg/kg	1.9	3.0	2300		<0.039
bis(2-Chloroethoxy) methane	mg/kg	---	---	---		<0.19
bis(2-Chloroethyl) ether	mg/kg	---	---	0.66		<0.19
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19
4-Bromophenyl-phenyl ether	mg/kg	---	---	---		<0.19
Butylbenzylphthalate	mg/kg	---	---	930		<0.19
Carbazole	mg/kg	---	---	0.6		<0.19
4-Chloroaniline	mg/kg	---	---	0.7		<0.78
2-Chloronaphthalene	mg/kg	---	---	---		<0.19
4-Chloro-3-methylphenol	mg/kg	---	---	---		<0.39

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B03 (6-13)
				CCDD	Sample Depth (feet)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015
2-Chlorophenol	mg/kg	---	---	1.5		<0.19
4-Chlorophenyl-phenyl ether	mg/kg	---	---	---		<0.19
Dibenzofuran	mg/kg	---	---	---		<0.19
1,2-Dichlorobenzene	mg/kg	---	---	17		<0.19
1,3-Dichlorobenzene	mg/kg	---	---	---		<0.19
1,4-Dichlorobenzene	mg/kg	---	---	2		<0.19
3,3'-Dichlorobenzidine	mg/kg	---	---	1.3		<0.19
2,4-Dichlorophenol	mg/kg	---	---	0.48		<0.39
Diethylphthalate	mg/kg	---	---	470		<0.19
Dimethylphthalate	mg/kg	---	---	---		<0.19
Di-n-butylphthalate	mg/kg	---	---	2300		<0.19
2,4-Dimethylphenol	mg/kg	---	---	9		<0.39
4,6-Dinitro-2-methylphenol	mg/kg	---	---	---		<0.78
2,4-Dinitrophenol	mg/kg	---	---	3.3		<0.78
2,4-Dinitrotoluene	mg/kg	---	---	0.25		<0.19
2,6-dinitrotoluene	mg/kg	---	---	0.26		<0.19
Di-n-octylphthalate	mg/kg	---	---	1600		<0.19
Hexachlorobenzene	mg/kg	---	---	0.4		<0.078
Hexachlorobutadiene	mg/kg	---	---	---		<0.19
Hexachlorocyclopentadiene	mg/kg	---	---	1.1		<0.78
Hexachloroethane	mg/kg	---	---	0.5		<0.19
Isophorone	mg/kg	---	---	8		<0.19
2-Methylnaphthalene	mg/kg	---	0.14	---		0.026
2-Methylphenol	mg/kg	---	---	15		<0.19
3 & 4-Methylphenol **	mg/kg	---	---	---		<0.19
2-Nitroaniline	mg/kg	---	---	---		<0.19
3-Nitroaniline	mg/kg	---	---	---		<0.39
4-Nitroaniline	mg/kg	---	---	---		<0.39
Nitrobenzene	mg/kg	---	---	0.26		<0.039
2-Nitrophenol	mg/kg	---	---	---		<0.39
4-Nitrophenol	mg/kg	---	---	---		<0.78
N-Nitroso-di-n-propylamine	mg/kg	---	---	0.0018		<0.19
N-nitrosodiphenylamine	mg/kg	---	---	1		<0.19
2,2'-oxybis (1-chloropropane)	mg/kg	---	---	---		<0.19
Pentachlorophenol	mg/kg	---	---	0.02		<0.78
Phenol	mg/kg	---	---	100		<0.19
1,2,4-Trichlorobenzene	mg/kg	---	---	5		<0.19
2,4,5-Trichlorophenol	mg/kg	---	---	26		<0.39
2,4,6-Trichlorophenol	mg/kg	---	---	0.66		<0.39
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		7.1
Barium	mg/kg	---	110	1500		42
Cadmium	mg/kg	---	0.6	5.2		0.13
Chromium, total	mg/kg	---	16.2	21		15
Lead	mg/kg	---	36	107		10
Mercury	mg/kg	---	0.06	0.1		0.025
Selenium	mg/kg	---	0.48	1.3		0.45
Silver	mg/kg	---	0.55	4.4		<0.29
Antimony	mg/kg	---	4.0	5		0.26
Beryllium	mg/kg	---	0.59	22		0.6
Calcium	mg/kg	---	9,300	---		80000
Cobalt	mg/kg	---	8.9	20		12
Copper	mg/kg	---	19.6	2900		23
Cyanide	mg/kg	---	0.51	---		<0.58
Iron	mg/kg	---	15,900	15000		17000
Magnesium	mg/kg	---	4,820	325000		23000
Manganese	mg/kg	---	636	630		310
Nickel	mg/kg	---	18	100		31
Potassium	mg/kg	---	1,268	---		2300
Sodium	mg/kg	---	130	---		320
Thallium	mg/kg	---	0.32	2.6		<0.58
Vanadium	mg/kg	---	25.2	550		16

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-21)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-21-B03 (6-13)
				CCDD	Sample Depth (feet)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015
Zinc	mg/kg	---	95	5100		52
pH			6.25	9		8.17
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050
Barium, SPLP	mg/L	---	---	---		0.12
Beryllium, SPLP	mg/L	---	---	---		<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050
Calcium, SPLP	mg/L	---	---	---		28
Chromium, SPLP	mg/L	---	---	---		0.015
Cobalt, SPLP	mg/L	---	---	---		<0.025
Copper, SPLP	mg/L	---	---	---		0.027
Iron, SPLP	mg/L	---	---	---		3.9
Lead, SPLP	mg/L	---	---	---		<0.0075
Magnesium, SPLP	mg/L	---	---	---		8.9
Manganese, SPLP	mg/L	---	---	---		0.12
Mercury, SPLP	mg/L	---	---	---		<0.00020
Nickel, SPLP	mg/L	---	---	---		0.013
Potassium, SPLP	mg/L	---	---	---		5.9
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025
Sodium, SPLP	mg/L	---	---	---		----
Thallium, SPLP	mg/L	---	---	---		<0.0020
Vanadium, SPLP	mg/L	---	---	---		0.012
Zinc, SPLP	mg/L	---	---	---		0.082
Cyanide, SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic, TCLP	mg/L	---	---	---		<0.050
Barium, TCLP	mg/L	---	---	---		0.67
Cadmium, TCLP	mg/L	---	---	---		<0.0050
Chromium, TCLP	mg/L	---	---	---		<0.025
Lead, TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		540
Cobalt, TCLP	mg/L	---	---	---		0.022
Copper, TCLP	mg/L	---	---	---		0.01
Cyanide, TCLP	mg/L	---	---	---		----
Iron, TCLP	mg/L	---	---	---		<0.20
Magnesium, TCLP	mg/L	---	---	---		27
Manganese, TCLP	mg/L	---	---	---		2.2
Nickel, TCLP	mg/L	---	---	---		0.064
Potassium, TCLP	mg/L	---	---	---		11
Sodium, TCLP	mg/L	---	---	---		----
Thallium, TCLP	mg/L	---	---	---		<0.0020
Vanadium, TCLP	mg/L	---	---	---		<0.025
Zinc, TCLP	mg/L	---	---	---		0.82

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: 500-102889-2

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:

10/30/2015 4:16:09 PM

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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Job ID: 500-102889-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-102889-2

Comments

No additional comments.

Receipt

The samples were received on 10/22/2015 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.7° C, 2.9° C, 3.2° C and 3.4° 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 laboratory control sample (LCS) for batch 500-309403 recovered outside control limits for the following analytes: Acenaphthylene; 4-Bromophenyl phenyl ether; Hexachlorobenzene; 3-Nitroaniline; Phenol; and 2,4,5-Tribromophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.(LCS 500-309403/2-A)

Method(s) 8270D: Two acid surrogate recoveries for LCS 500-309403/2-A were outside the upper control limit: (LCS 500-309403/2-A). The associated samples did not contain any target analytes > the RL; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-21-B01 (0-3) (500-102889-12), 2678-21-B02 (0-3) (500-102889-13), 2678-21-B03 (0-6) (500-102889-14), (MB 500-309403/1-A), (500-102889-F-1-G MS) and (500-102889-F-1-H MSD). The laboratory's SOP allows one acid and one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0083	J	0.039	0.0070	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.0083	J*	0.039	0.0051	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.042		0.039	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.20		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.26		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.19		0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.22		0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.22		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.19	J	0.20	0.071	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.10	J	0.20	0.074	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.29		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.039	0.0075	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.27		0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0091	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.20		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0080	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0074	J	0.039	0.0060	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.18		0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.69		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.30	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.57		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.56		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	34	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	290		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	41000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	380		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.47	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	120		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	530		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.48	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0037	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	320		5.0	0.50	mg/L	1		6010B	TCLP
Lead	0.19		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	63		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.091	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.015	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.26	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	25	B	5.0	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3) (Continued)

Lab Sample ID: 500-102889-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.040		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.065		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	32		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	1.0		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	12	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	9.4		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.33	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.041		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.20	J	0.56	0.18	mg/Kg	1	☼	9014	Total/NA
pH	8.73		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.019	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		0.53	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.53	0.098	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.56		0.21	0.046	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.16		0.11	0.031	mg/Kg	1	☼	6010B	Total/NA
Chromium	13	B	0.53	0.092	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.27	0.060	mg/Kg	1	☼	6010B	Total/NA
Copper	30	B	0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.1	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.3	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	41000		11	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	330		0.53	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.53	0.14	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.50	J	0.53	0.26	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.27	0.078	mg/Kg	1	☼	6010B	Total/NA
Zinc	61		1.1	0.34	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		27	4.4	mg/Kg	1	☼	6010B	Total/NA
Sodium	670		53	7.1	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
Magnesium	83		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.040	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.083		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0047		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	31	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.052		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3) (Continued)

Lab Sample ID: 500-102889-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	130		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.088		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.67		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	26		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.35	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0064		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.039		0.018	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	8.58		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.041		0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.8		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	47		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	17		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	53		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	43000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	380		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.38	J	0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	66		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	640		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	430		5.0	0.50	mg/L	1		6010B	TCLP
Lead	0.0089		0.0075	0.0075	mg/L	1		6010B	TCLP
Magnesium	37		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.91		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	6.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.033	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.028	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	53	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.077		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.031		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	67		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.17		0.0075	0.0075	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6) (Continued)

Lab Sample ID: 500-102889-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	29	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.59		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.092		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.090		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.24	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0020		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.024		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.36		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.026	J	0.039	0.0071	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.051		0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.26	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.1		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.60		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	10		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	80000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.45	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	320		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.67		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	27		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.064		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	11		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.82		0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.12	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	28	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	3.9		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	8.9	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.12		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13) (Continued)

Lab Sample ID: 500-102889-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.9		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.082	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.025		0.019	0.0066	mg/Kg	1	*	7471B	Total/NA
pH	8.17		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-21-G01

Lab Sample ID: 500-102889-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0066		0.0050	0.0017	mg/L	1		8260B	Total/NA
Antimony	0.0021	J	0.0060	0.0020	mg/L	2		6020A	Total Recoverable
Arsenic	0.48		0.0020	0.00088	mg/L	2		6020A	Total Recoverable
Barium	0.40		0.013	0.0042	mg/L	5		6020A	Total Recoverable
Beryllium	0.0052		0.0050	0.0012	mg/L	5		6020A	Total Recoverable
Cadmium	0.0041		0.0025	0.00095	mg/L	5		6020A	Total Recoverable
Calcium	870		1.0	0.53	mg/L	5		6020A	Total Recoverable
Chromium	0.19		0.025	0.0030	mg/L	5		6020A	Total Recoverable
Cobalt	0.18		0.0050	0.00095	mg/L	5		6020A	Total Recoverable
Copper	0.83		0.010	0.0048	mg/L	5		6020A	Total Recoverable
Iron	290		0.50	0.13	mg/L	5		6020A	Total Recoverable
Lead	0.55		0.0025	0.00071	mg/L	5		6020A	Total Recoverable
Magnesium	450		1.0	0.42	mg/L	5		6020A	Total Recoverable
Manganese	5.8		0.013	0.0050	mg/L	5		6020A	Total Recoverable
Nickel	0.39		0.010	0.0026	mg/L	5		6020A	Total Recoverable
Potassium	18		2.5	0.95	mg/L	5		6020A	Total Recoverable
Selenium	0.013		0.013	0.0042	mg/L	5		6020A	Total Recoverable
Silver	0.0031		0.0010	0.00016	mg/L	2		6020A	Total Recoverable
Sodium	250		1.0	0.44	mg/L	5		6020A	Total Recoverable
Thallium	0.015		0.010	0.0030	mg/L	5		6020A	Total Recoverable
Vanadium	0.14		0.10	0.043	mg/L	20		6020A	Total Recoverable
Zinc	1.2		0.10	0.023	mg/L	5		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: Trip Blank

Lab Sample ID: 500-102889-17

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102889-12	2678-21-B01 (0-3)	Solid	10/21/15 12:15	10/22/15 08:55
500-102889-13	2678-21-B02 (0-3)	Solid	10/21/15 12:40	10/22/15 08:55
500-102889-14	2678-21-B03 (0-6)	Solid	10/21/15 12:55	10/22/15 08:55
500-102889-15	2678-21-B03 (6-13)	Solid	10/21/15 13:00	10/22/15 08:55
500-102889-16	2678-21-G01	Water	10/21/15 17:00	10/22/15 08:55
500-102889-17	Trip Blank	Water	10/21/15 00:00	10/22/15 08:55



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Date Collected: 10/21/15 12:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.9

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	☼	10/22/15 17:45	10/23/15 16:32	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Methylene Chloride	<0.0050		0.0050	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 122	10/22/15 17:45	10/23/15 16:32	1
Dibromofluoromethane	100		75 - 120	10/22/15 17:45	10/23/15 16:32	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 16:32	1
Toluene-d8 (Surr)	101		75 - 122	10/22/15 17:45	10/23/15 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0083	J	0.039	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Acenaphthylene	0.0083	J *	0.039	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Anthracene	0.042		0.039	0.0065	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Benzo[a]anthracene	0.20		0.039	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Date Collected: 10/21/15 12:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.26		0.039	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Benzo[b]fluoranthene	0.19		0.039	0.0084	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Benzo[g,h,i]perylene	0.22		0.039	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Benzo[k]fluoranthene	0.22		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Bis(2-ethylhexyl) phthalate	0.19	J	0.20	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Butyl benzyl phthalate	0.10	J	0.20	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Chrysene	0.29		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Dibenz(a,h)anthracene	0.025	J	0.039	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Fluoranthene	0.27		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Fluorene	0.0091	J	0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Hexachlorobenzene	<0.079	*	0.079	0.0090	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Indeno[1,2,3-cd]pyrene	0.20		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Methylnaphthalene	0.0080	J	0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Naphthalene	0.0074	J	0.039	0.0060	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Date Collected: 10/21/15 12:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.9

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	☼	10/23/15 08:24	10/29/15 07:03	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Phenanthrene	0.18		0.039	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Phenol	<0.20	*	0.20	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
Pyrene	0.69		0.039	0.0078	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	10/23/15 08:24	10/29/15 07:03	1
2-Fluorophenol	90		25 - 110	10/23/15 08:24	10/29/15 07:03	1
Nitrobenzene-d5	83		25 - 115	10/23/15 08:24	10/29/15 07:03	1
Phenol-d5	89		31 - 110	10/23/15 08:24	10/29/15 07:03	1
Terphenyl-d14	195	X	36 - 134	10/23/15 08:24	10/29/15 07:03	1
2,4,6-Tribromophenol	102		35 - 137	10/23/15 08:24	10/29/15 07:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.1	0.24	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Arsenic	10		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Barium	53		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Beryllium	0.57		0.23	0.050	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Cadmium	0.56		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Chromium	16	B	0.57	0.098	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Copper	34	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Iron	19000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Lead	290		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 18:53	1
Magnesium	23000		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Calcium	41000		11	3.7	mg/Kg	☼	10/22/15 17:41	10/24/15 18:53	1
Manganese	380		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Nickel	31		0.57	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Selenium	0.47	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Vanadium	16		0.29	0.083	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Zinc	120		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Potassium	1300		29	4.7	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	1
Sodium	530		57	7.5	mg/Kg	☼	10/22/15 17:41	10/23/15 23:17	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		10/25/15 19:18	10/26/15 15:50	1
Barium	0.48	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:50	1
Cadmium	0.0037	J	0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Date Collected: 10/21/15 12:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.9

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		10/25/15 19:18	10/26/15 15:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:50	1
Lead	0.19		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:50	1
Magnesium	63		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:50	1
Manganese	0.019	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Nickel	0.014	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Potassium	4.5		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:50	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:50	1
Zinc	0.091	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Barium	0.26	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 19:08	1
Calcium	25	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 19:08	1
Chromium	0.040		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Copper	0.065		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Iron	32		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 19:08	1
Lead	1.0		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 19:08	1
Magnesium	12	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:08	1
Manganese	0.27		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Nickel	0.042		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Potassium	9.4		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 19:08	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Vanadium	0.050		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:08	1
Zinc	0.33	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 19:08	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		10/25/15 19:18	10/28/15 16:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:38	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:19	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B01 (0-3)

Lab Sample ID: 500-102889-12

Date Collected: 10/21/15 12:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.9

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		10/26/15 16:00	10/27/15 09:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.20	J	0.56	0.18	mg/Kg	☼	10/22/15 19:30	10/22/15 22:18	1
pH	8.73		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Date Collected: 10/21/15 12:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.8

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	☼	10/22/15 17:45	10/23/15 16:57	1
Benzene	<0.0042		0.0042	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Bromodichloromethane	<0.0042		0.0042	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Bromoform	<0.0042		0.0042	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
2-Butanone (MEK)	<0.0042		0.0042	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Carbon disulfide	<0.0042		0.0042	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Carbon tetrachloride	<0.0042		0.0042	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Chlorobenzene	<0.0042		0.0042	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Chloroethane	<0.0042		0.0042	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Chloroform	<0.0042		0.0042	0.00083	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Chloromethane	<0.0042		0.0042	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
cis-1,2-Dichloroethene	<0.0042		0.0042	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
cis-1,3-Dichloropropene	<0.0042		0.0042	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Dibromochloromethane	<0.0042		0.0042	0.00049	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,1-Dichloroethane	<0.0042		0.0042	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,2-Dichloroethane	<0.0042		0.0042	0.00063	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,1-Dichloroethene	<0.0042		0.0042	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,2-Dichloropropane	<0.0042		0.0042	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,3-Dichloropropane, Total	<0.0042		0.0042	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Ethylbenzene	<0.0042		0.0042	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Methylene Chloride	<0.0042		0.0042	0.0032	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Methyl tert-butyl ether	<0.0042		0.0042	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Styrene	<0.0042		0.0042	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,1,2,2-Tetrachloroethane	<0.0042		0.0042	0.00067	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Tetrachloroethene	<0.0042		0.0042	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Toluene	<0.0042		0.0042	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
trans-1,2-Dichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
trans-1,3-Dichloropropene	<0.0042		0.0042	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,1,1-Trichloroethane	<0.0042		0.0042	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
1,1,2-Trichloroethane	<0.0042		0.0042	0.00082	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Trichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Vinyl acetate	<0.0042		0.0042	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Vinyl chloride	<0.0042		0.0042	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1
Xylenes, Total	<0.0085		0.0085	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/22/15 17:45	10/23/15 16:57	1
Dibromofluoromethane	103		75 - 120	10/22/15 17:45	10/23/15 16:57	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/22/15 17:45	10/23/15 16:57	1
Toluene-d8 (Surr)	95		75 - 122	10/22/15 17:45	10/23/15 16:57	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	☼	10/23/15 08:24	10/29/15 07:32	1
Acenaphthylene	<0.037	*	0.037	0.0049	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Date Collected: 10/21/15 12:40

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.037		0.037	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Chrysene	0.019	J	0.037	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Hexachlorobenzene	<0.076	*	0.076	0.0087	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
3-Nitroaniline	<0.37	*	0.37	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Date Collected: 10/21/15 12:40

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.76		0.76	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Phenol	<0.19	*	0.19	0.083	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4,5-Trichlorophenol	<0.37	*	0.37	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		25 - 119	10/23/15 08:24	10/29/15 07:32	1
2-Fluorophenol	93		25 - 110	10/23/15 08:24	10/29/15 07:32	1
Nitrobenzene-d5	79		25 - 115	10/23/15 08:24	10/29/15 07:32	1
Phenol-d5	88		31 - 110	10/23/15 08:24	10/29/15 07:32	1
Terphenyl-d14	193	X	36 - 134	10/23/15 08:24	10/29/15 07:32	1
2,4,6-Tribromophenol	83		35 - 137	10/23/15 08:24	10/29/15 07:32	1

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	☼	10/22/15 17:41	10/23/15 23:22	1
Arsenic	10		0.53	0.25	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Barium	35		0.53	0.098	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Beryllium	0.56		0.21	0.046	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Cadmium	0.16		0.11	0.031	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Chromium	13	B	0.53	0.092	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Cobalt	13		0.27	0.060	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Copper	30	B	0.53	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Iron	18000		11	4.1	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Lead	17		0.27	0.13	mg/Kg	☼	10/22/15 17:41	10/24/15 19:06	1
Magnesium	22000		5.3	2.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Calcium	41000		11	3.4	mg/Kg	☼	10/22/15 17:41	10/24/15 19:06	1
Manganese	330		0.53	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Nickel	32		0.53	0.14	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Selenium	0.50	J	0.53	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Silver	<0.27		0.27	0.063	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Thallium	<0.53		0.53	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Vanadium	15		0.27	0.078	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Zinc	61		1.1	0.34	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Potassium	1700		27	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1
Sodium	670		53	7.1	mg/Kg	☼	10/22/15 17:41	10/23/15 23:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Barium	0.35	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 15:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 15:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 15:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Date Collected: 10/21/15 12:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.8

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		10/25/15 19:18	10/26/15 15:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 15:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 15:57	1
Magnesium	83		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:57	1
Manganese	1.3		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Potassium	4.6		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 15:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 15:57	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 15:57	1
Zinc	0.040	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.083		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Barium	0.31	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 19:31	1
Beryllium	0.0047		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 19:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 19:31	1
Calcium	31	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 19:31	1
Chromium	0.11		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Cobalt	0.052		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Copper	0.18		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Iron	130		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 19:31	1
Lead	0.088		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 19:31	1
Magnesium	29	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:31	1
Manganese	0.67		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Nickel	0.16		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Potassium	26		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 19:31	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Vanadium	0.13		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:31	1
Zinc	0.35	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 19:31	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		10/25/15 19:18	10/28/15 16:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:42	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:28	1
Thallium	0.0064		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B02 (0-3)

Lab Sample ID: 500-102889-13

Date Collected: 10/21/15 12:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 87.8

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		10/26/15 16:00	10/27/15 09:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.018	0.0062	mg/Kg	☼	10/27/15 16:00	10/28/15 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/22/15 19:30	10/22/15 22:18	1
pH	8.58		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Date Collected: 10/21/15 12:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Bromoform	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
2-Butanone (MEK)	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Chloroform	<0.0046		0.0046	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,1-Dichloroethane	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,2-Dichloroethane	<0.0046		0.0046	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Ethylbenzene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Tetrachloroethene	<0.0046		0.0046	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Trichloroethene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/22/15 17:45	10/23/15 17:22	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 17:22	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 17:22	1
Toluene-d8 (Surr)	99		75 - 122	10/22/15 17:45	10/23/15 17:22	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	☼	10/23/15 08:24	10/29/15 08:00	1
Acenaphthylene	<0.040	*	0.040	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Date Collected: 10/21/15 12:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.040		0.040	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4-Bromophenyl phenyl ether	<0.20	*	0.20	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Hexachlorobenzene	<0.080	*	0.080	0.0092	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Methylnaphthalene	<0.040		0.040	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
3-Nitroaniline	<0.40	*	0.40	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Date Collected: 10/21/15 12:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	☼	10/23/15 08:24	10/29/15 08:00	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Phenol	<0.20	*	0.20	0.089	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
Pyrene	0.041		0.040	0.0079	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4,5-Trichlorophenol	<0.40	*	0.40	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		25 - 119	10/23/15 08:24	10/29/15 08:00	1
2-Fluorophenol	96		25 - 110	10/23/15 08:24	10/29/15 08:00	1
Nitrobenzene-d5	91		25 - 115	10/23/15 08:24	10/29/15 08:00	1
Phenol-d5	83		31 - 110	10/23/15 08:24	10/29/15 08:00	1
Terphenyl-d14	205	X	36 - 134	10/23/15 08:24	10/29/15 08:00	1
2,4,6-Tribromophenol	100		35 - 137	10/23/15 08:24	10/29/15 08:00	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	☼	10/22/15 17:41	10/23/15 23:27	1
Arsenic	7.8		0.60	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Barium	47		0.60	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Beryllium	0.63		0.24	0.052	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Cadmium	0.23		0.12	0.035	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Chromium	16	B	0.60	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Cobalt	17		0.30	0.068	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Copper	25	B	0.60	0.13	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Iron	19000		12	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Lead	53		0.30	0.15	mg/Kg	☼	10/22/15 17:41	10/24/15 19:20	1
Magnesium	21000		6.0	2.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Calcium	43000		12	3.8	mg/Kg	☼	10/22/15 17:41	10/24/15 19:20	1
Manganese	380		0.60	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Nickel	35		0.60	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Selenium	0.38	J	0.60	0.30	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Vanadium	17		0.30	0.087	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Zinc	66		1.2	0.38	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Potassium	2000		30	4.9	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1
Sodium	640		60	7.9	mg/Kg	☼	10/22/15 17:41	10/23/15 23:27	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Barium	0.43	J	0.50	0.050	mg/L		10/25/15 19:18	10/26/15 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 16:19	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Date Collected: 10/21/15 12:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 16:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Copper	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 16:19	1
Lead	0.0089		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 16:19	1
Magnesium	37		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 16:19	1
Manganese	0.91		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Nickel	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Potassium	6.4		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 16:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 16:19	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:19	1
Zinc	0.033	J	0.70	0.020	mg/L		10/25/15 19:18	10/26/15 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Barium	0.33	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 19:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 19:38	1
Calcium	53	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 19:38	1
Chromium	0.077		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Cobalt	0.031		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Copper	0.093		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Iron	67		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 19:38	1
Lead	0.17		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 19:38	1
Magnesium	29	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:38	1
Manganese	0.59		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Nickel	0.092		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Potassium	19		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 19:38	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Vanadium	0.090		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:38	1
Zinc	0.24	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 19:38	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		10/25/15 19:18	10/28/15 16:46	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:46	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:32	1
Thallium	0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (0-6)

Lab Sample ID: 500-102889-14

Date Collected: 10/21/15 12:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.3

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		10/26/15 16:00	10/27/15 09:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/22/15 19:30	10/22/15 22:19	1
pH	8.36		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Date Collected: 10/21/15 13:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	☼	10/22/15 17:45	10/23/15 17:48	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Bromoform	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1
Xylenes, Total	<0.0092		0.0092	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 122	10/22/15 17:45	10/23/15 17:48	1
Dibromofluoromethane	106		75 - 120	10/22/15 17:45	10/23/15 17:48	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 17:48	1
Toluene-d8 (Surr)	104		75 - 122	10/22/15 17:45	10/23/15 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Acenaphthylene	<0.039	*	0.039	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Date Collected: 10/21/15 13:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Hexachlorobenzene	<0.078	*	0.078	0.0090	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Methylnaphthalene	0.026	J	0.039	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Date Collected: 10/21/15 13:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	☼	10/23/15 08:24	10/29/15 01:53	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Phenanthrene	0.051		0.039	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Phenol	<0.19	*	0.19	0.086	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4,5-Trichlorophenol	<0.39	*	0.39	0.088	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		25 - 119	10/23/15 08:24	10/29/15 01:53	1
2-Fluorophenol	96		25 - 110	10/23/15 08:24	10/29/15 01:53	1
Nitrobenzene-d5	83		25 - 115	10/23/15 08:24	10/29/15 01:53	1
Phenol-d5	89		31 - 110	10/23/15 08:24	10/29/15 01:53	1
Terphenyl-d14	121		36 - 134	10/23/15 08:24	10/29/15 01:53	1
2,4,6-Tribromophenol	109		35 - 137	10/23/15 08:24	10/29/15 01:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.24	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Arsenic	7.1		0.58	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Barium	42		0.58	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Beryllium	0.60		0.23	0.050	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Cadmium	0.13		0.12	0.034	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Chromium	15	B	0.58	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Cobalt	12		0.29	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Copper	23	B	0.58	0.13	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Iron	17000		12	4.5	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Lead	10		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 19:49	1
Magnesium	23000		5.8	2.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Calcium	80000		120	37	mg/Kg	☼	10/22/15 17:41	10/24/15 19:56	10
Manganese	310		0.58	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Nickel	31		0.58	0.16	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Selenium	0.45	J	0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Vanadium	16		0.29	0.085	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Zinc	52		1.2	0.37	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Potassium	2300		29	4.7	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1
Sodium	320		58	7.7	mg/Kg	☼	10/22/15 17:41	10/23/15 23:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Barium	0.67		0.50	0.050	mg/L		10/25/15 19:18	10/26/15 16:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:18	10/26/15 16:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:18	10/26/15 16:26	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Date Collected: 10/21/15 13:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540		5.0	0.50	mg/L		10/25/15 19:18	10/26/15 16:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Copper	0.010	J	0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Iron	<0.20		0.20	0.20	mg/L		10/25/15 19:18	10/26/15 16:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:18	10/26/15 16:26	1
Magnesium	27		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 16:26	1
Manganese	2.2		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Nickel	0.064		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Potassium	11		2.5	0.50	mg/L		10/25/15 19:18	10/26/15 16:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:18	10/26/15 16:26	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Vanadium	<0.025		0.025	0.010	mg/L		10/25/15 19:18	10/26/15 16:26	1
Zinc	0.82		0.70	0.020	mg/L		10/25/15 19:18	10/26/15 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Barium	0.12	J	0.50	0.050	mg/L		10/25/15 19:20	10/26/15 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/25/15 19:20	10/26/15 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/25/15 19:20	10/26/15 19:44	1
Calcium	28	B	5.0	0.50	mg/L		10/25/15 19:20	10/26/15 19:44	1
Chromium	0.015	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Copper	0.027		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Iron	3.9		0.20	0.20	mg/L		10/25/15 19:20	10/26/15 19:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/25/15 19:20	10/26/15 19:44	1
Magnesium	8.9	B	2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:44	1
Manganese	0.12		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Nickel	0.013	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Potassium	5.9		2.5	0.50	mg/L		10/25/15 19:20	10/26/15 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/25/15 19:20	10/26/15 19:44	1
Silver	<0.025		0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Vanadium	0.012	J	0.025	0.010	mg/L		10/25/15 19:20	10/26/15 19:44	1
Zinc	0.082	J B	0.70	0.020	mg/L		10/25/15 19:20	10/26/15 19:44	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		10/25/15 19:18	10/28/15 16:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:18	10/28/15 16:50	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/25/15 19:20	10/28/15 20:36	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/25/15 19:20	10/28/15 20:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/26/15 16:00	10/27/15 10:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-B03 (6-13)

Lab Sample ID: 500-102889-15

Date Collected: 10/21/15 13:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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		10/26/15 16:00	10/27/15 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0066	mg/Kg	☼	10/27/15 16:00	10/28/15 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:21	1
pH	8.17		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-G01

Lab Sample ID: 500-102889-16

Date Collected: 10/21/15 17:00

Matrix: Water

Date Received: 10/22/15 08:55

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0066		0.0050	0.0017	mg/L			10/29/15 12:44	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/29/15 12:44	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:44	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/29/15 12:44	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			10/29/15 12:44	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/29/15 12:44	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/29/15 12:44	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:44	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			10/29/15 12:44	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:44	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/29/15 12:44	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/29/15 12:44	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/29/15 12:44	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/29/15 12:44	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/29/15 12:44	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:44	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:44	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/29/15 12:44	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/29/15 12:44	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/29/15 12:44	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/29/15 12:44	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/29/15 12:44	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/29/15 12:44	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/29/15 12:44	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:44	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:44	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/29/15 12:44	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:44	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/29/15 12:44	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/29/15 12:44	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/29/15 12:44	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/29/15 12:44	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/29/15 12:44	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/29/15 12:44	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			10/29/15 12:44	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			10/29/15 12:44	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/29/15 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 120		10/29/15 12:44	1
Dibromofluoromethane	100		75 - 120		10/29/15 12:44	1
1,2-Dichloroethane-d4 (Surr)	112		75 - 125		10/29/15 12:44	1
Toluene-d8 (Surr)	100		75 - 120		10/29/15 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00081		0.00081	0.00025	mg/L		10/22/15 16:06	10/23/15 10:18	1
Acenaphthylene	<0.00081		0.00081	0.00022	mg/L		10/22/15 16:06	10/23/15 10:18	1
Anthracene	<0.00081		0.00081	0.00027	mg/L		10/22/15 16:06	10/23/15 10:18	1
Benzo[a]anthracene	<0.00013		0.00013	0.000046	mg/L		10/22/15 16:06	10/23/15 10:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-G01

Lab Sample ID: 500-102889-16

Date Collected: 10/21/15 17:00

Matrix: Water

Date Received: 10/22/15 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.00016		0.00016	0.000080	mg/L		10/22/15 16:06	10/23/15 10:18	1
Benzo[b]fluoranthene	<0.00016		0.00016	0.000065	mg/L		10/22/15 16:06	10/23/15 10:18	1
Benzo[g,h,i]perylene	<0.00081		0.00081	0.00030	mg/L		10/22/15 16:06	10/23/15 10:18	1
Benzo[k]fluoranthene	<0.00016		0.00016	0.000052	mg/L		10/22/15 16:06	10/23/15 10:18	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00023	mg/L		10/22/15 16:06	10/23/15 10:18	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00024	mg/L		10/22/15 16:06	10/23/15 10:18	1
Bis(2-ethylhexyl) phthalate	<0.0081		0.0081	0.0014	mg/L		10/22/15 16:06	10/23/15 10:18	1
4-Bromophenyl phenyl ether	<0.0040		0.0040	0.00044	mg/L		10/22/15 16:06	10/23/15 10:18	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00039	mg/L		10/22/15 16:06	10/23/15 10:18	1
Carbazole	<0.0040		0.0040	0.00029	mg/L		10/22/15 16:06	10/23/15 10:18	1
4-Chloroaniline	<0.0081		0.0081	0.0016	mg/L		10/22/15 16:06	10/23/15 10:18	1
4-Chloro-3-methylphenol	<0.0081		0.0081	0.0019	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Chloronaphthalene	<0.0016		0.0016	0.00019	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Chlorophenol	<0.0040		0.0040	0.00045	mg/L		10/22/15 16:06	10/23/15 10:18	1
4-Chlorophenyl phenyl ether	<0.0040		0.0040	0.00051	mg/L		10/22/15 16:06	10/23/15 10:18	1
Chrysene	<0.00040		0.00040	0.000055	mg/L		10/22/15 16:06	10/23/15 10:18	1
Dibenz(a,h)anthracene	<0.00024		0.00024	0.000041	mg/L		10/22/15 16:06	10/23/15 10:18	1
Dibenzofuran	<0.0016		0.0016	0.00021	mg/L		10/22/15 16:06	10/23/15 10:18	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00020	mg/L		10/22/15 16:06	10/23/15 10:18	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		10/22/15 16:06	10/23/15 10:18	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		10/22/15 16:06	10/23/15 10:18	1
3,3'-Dichlorobenzidine	<0.0040		0.0040	0.0014	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4-Dichlorophenol	<0.0081		0.0081	0.0021	mg/L		10/22/15 16:06	10/23/15 10:18	1
Diethyl phthalate	<0.0016		0.0016	0.00029	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4-Dimethylphenol	<0.0081		0.0081	0.0015	mg/L		10/22/15 16:06	10/23/15 10:18	1
Dimethyl phthalate	<0.0016		0.0016	0.00025	mg/L		10/22/15 16:06	10/23/15 10:18	1
Di-n-butyl phthalate	<0.0040		0.0040	0.00059	mg/L		10/22/15 16:06	10/23/15 10:18	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0048	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4-Dinitrophenol	<0.016		0.016	0.0069	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4-Dinitrotoluene	<0.00081		0.00081	0.00020	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,6-Dinitrotoluene	<0.00040		0.00040	0.000059	mg/L		10/22/15 16:06	10/23/15 10:18	1
Di-n-octyl phthalate	<0.0081		0.0081	0.00085	mg/L		10/22/15 16:06	10/23/15 10:18	1
Fluoranthene	<0.00081		0.00081	0.00037	mg/L		10/22/15 16:06	10/23/15 10:18	1
Fluorene	<0.00081		0.00081	0.00020	mg/L		10/22/15 16:06	10/23/15 10:18	1
Hexachlorobenzene	<0.00040		0.00040	0.000064	mg/L		10/22/15 16:06	10/23/15 10:18	1
Hexachlorobutadiene	<0.0040		0.0040	0.00042	mg/L		10/22/15 16:06	10/23/15 10:18	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0051	mg/L		10/22/15 16:06	10/23/15 10:18	1
Hexachloroethane	<0.0040		0.0040	0.00048	mg/L		10/22/15 16:06	10/23/15 10:18	1
Indeno[1,2,3-cd]pyrene	<0.00016		0.00016	0.000060	mg/L		10/22/15 16:06	10/23/15 10:18	1
Isophorone	<0.0016		0.0016	0.00030	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Methylnaphthalene	<0.00040		0.00040	0.000053	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Methylphenol	<0.0016		0.0016	0.00025	mg/L		10/22/15 16:06	10/23/15 10:18	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00036	mg/L		10/22/15 16:06	10/23/15 10:18	1
Naphthalene	<0.00081		0.00081	0.00025	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Nitroaniline	<0.0040		0.0040	0.0010	mg/L		10/22/15 16:06	10/23/15 10:18	1
3-Nitroaniline	<0.0081		0.0081	0.0014	mg/L		10/22/15 16:06	10/23/15 10:18	1
4-Nitroaniline	<0.0081		0.0081	0.0013	mg/L		10/22/15 16:06	10/23/15 10:18	1
Nitrobenzene	<0.00081		0.00081	0.00036	mg/L		10/22/15 16:06	10/23/15 10:18	1
2-Nitrophenol	<0.0081		0.0081	0.0020	mg/L		10/22/15 16:06	10/23/15 10:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-G01

Lab Sample ID: 500-102889-16

Date Collected: 10/21/15 17:00

Matrix: Water

Date Received: 10/22/15 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.016		0.016	0.0060	mg/L		10/22/15 16:06	10/23/15 10:18	1
N-Nitrosodi-n-propylamine	<0.00040		0.00040	0.00012	mg/L		10/22/15 16:06	10/23/15 10:18	1
N-Nitrosodiphenylamine	<0.00081		0.00081	0.00030	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00031	mg/L		10/22/15 16:06	10/23/15 10:18	1
Pentachlorophenol	<0.016		0.016	0.0032	mg/L		10/22/15 16:06	10/23/15 10:18	1
Phenanthrene	<0.00081		0.00081	0.00024	mg/L		10/22/15 16:06	10/23/15 10:18	1
Phenol	<0.0040		0.0040	0.00054	mg/L		10/22/15 16:06	10/23/15 10:18	1
Pyrene	<0.00081		0.00081	0.00034	mg/L		10/22/15 16:06	10/23/15 10:18	1
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00019	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4,5-Trichlorophenol	<0.0081		0.0081	0.0021	mg/L		10/22/15 16:06	10/23/15 10:18	1
2,4,6-Trichlorophenol	<0.0040		0.0040	0.00058	mg/L		10/22/15 16:06	10/23/15 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		41 - 132	10/22/15 16:06	10/23/15 10:18	1
2-Fluorophenol	56		32 - 110	10/22/15 16:06	10/23/15 10:18	1
Nitrobenzene-d5	69		47 - 134	10/22/15 16:06	10/23/15 10:18	1
Phenol-d5	45		25 - 100	10/22/15 16:06	10/23/15 10:18	1
Terphenyl-d14	95		59 - 150	10/22/15 16:06	10/23/15 10:18	1
2,4,6-Tribromophenol	81		53 - 150	10/22/15 16:06	10/23/15 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0021	J	0.0060	0.0020	mg/L		10/22/15 16:56	10/28/15 17:39	2
Arsenic	0.48		0.0020	0.00088	mg/L		10/22/15 16:56	10/28/15 17:39	2
Barium	0.40		0.013	0.0042	mg/L		10/22/15 16:56	10/27/15 14:07	5
Beryllium	0.0052		0.0050	0.0012	mg/L		10/22/15 16:56	10/27/15 14:07	5
Cadmium	0.0041		0.0025	0.00095	mg/L		10/22/15 16:56	10/27/15 14:07	5
Calcium	870		1.0	0.53	mg/L		10/22/15 16:56	10/27/15 14:07	5
Chromium	0.19		0.025	0.0030	mg/L		10/22/15 16:56	10/27/15 14:07	5
Cobalt	0.18		0.0050	0.00095	mg/L		10/22/15 16:56	10/27/15 14:07	5
Copper	0.83		0.010	0.0048	mg/L		10/22/15 16:56	10/27/15 14:07	5
Iron	290		0.50	0.13	mg/L		10/22/15 16:56	10/27/15 14:07	5
Lead	0.55		0.0025	0.00071	mg/L		10/22/15 16:56	10/27/15 14:07	5
Magnesium	450		1.0	0.42	mg/L		10/22/15 16:56	10/27/15 14:07	5
Manganese	5.8		0.013	0.0050	mg/L		10/22/15 16:56	10/27/15 14:07	5
Nickel	0.39		0.010	0.0026	mg/L		10/22/15 16:56	10/27/15 14:07	5
Potassium	18		2.5	0.95	mg/L		10/22/15 16:56	10/27/15 14:07	5
Selenium	0.013		0.013	0.0042	mg/L		10/22/15 16:56	10/27/15 14:07	5
Silver	0.0031		0.0010	0.00016	mg/L		10/22/15 16:56	10/28/15 17:39	2
Sodium	250		1.0	0.44	mg/L		10/22/15 16:56	10/27/15 14:07	5
Thallium	0.015		0.010	0.0030	mg/L		10/22/15 16:56	10/27/15 14:07	5
Vanadium	0.14		0.10	0.043	mg/L		10/22/15 16:56	10/30/15 11:34	20
Zinc	1.2		0.10	0.023	mg/L		10/22/15 16:56	10/27/15 14:07	5

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000061	mg/L		10/22/15 13:00	10/23/15 12:53	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: 2678-21-G01

Lab Sample ID: 500-102889-16

Date Collected: 10/21/15 17:00

Matrix: Water

Date Received: 10/22/15 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010	0.0021	mg/L		10/22/15 16:10	10/22/15 20:41	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Client Sample ID: Trip Blank

Lab Sample ID: 500-102889-17

Date Collected: 10/21/15 00:00

Matrix: Water

Date Received: 10/22/15 08:55

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			10/29/15 12:19	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/29/15 12:19	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:19	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/29/15 12:19	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			10/29/15 12:19	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/29/15 12:19	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/29/15 12:19	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:19	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			10/29/15 12:19	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:19	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/29/15 12:19	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/29/15 12:19	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/29/15 12:19	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/29/15 12:19	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/29/15 12:19	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:19	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:19	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/29/15 12:19	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/29/15 12:19	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/29/15 12:19	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/29/15 12:19	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/29/15 12:19	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/29/15 12:19	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/29/15 12:19	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:19	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/29/15 12:19	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/29/15 12:19	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/29/15 12:19	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/29/15 12:19	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/29/15 12:19	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/29/15 12:19	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/29/15 12:19	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/29/15 12:19	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/29/15 12:19	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			10/29/15 12:19	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			10/29/15 12:19	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/29/15 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 120		10/29/15 12:19	1
Dibromofluoromethane	97		75 - 120		10/29/15 12:19	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 125		10/29/15 12:19	1
Toluene-d8 (Surr)	98		75 - 120		10/29/15 12:19	1

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-2

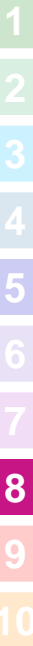
Laboratory: TestAmerica Chicago

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	04-30-16

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		Water	1,3-Dichloropropene, Total
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

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Dr
Waperville, IL 60540
 Address: Waperville, IL 60540
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102889
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key		
Project Name		11157103																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		
Project Location/State		Schwanenburg, IL		Lab Project #																
Sampler		Chad Kelly		Lab PM																
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Vocs	SVOCs	Total 24 Inorganics	TCLP 24 Inorganics	SPLP 24 Inorganics	pH							Comments	
			Date	Time																
12		2678-21-B01 (0-3)	10/21/15	12:15	6	S	✓	✓	✓	✓	✓	✓								
13		2678-21-B02 (0-3)	10/21/15	12:40	6	S	✓	✓	✓	✓	✓	✓								
14		2678-21-B03 (0-6)	10/21/15	12:55	6	S	✓	✓	✓	✓	✓	✓								
15		2678-21-B03 (0-13)	10/21/15	1:00	6	S	✓	✓	✓	✓	✓	✓								

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/22/15</u>	Time <u>7:45</u>	Received By <u>Daniel Kulisz</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0745</u>
Relinquished By <u>Daniel Kulisz</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0855</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CPT</u>	Date <u>10/22/15</u>	Time <u>0855</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: Please meet ILTACO Requirements and please do NOT run Aluminum analysis. Thank you.

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr
Address: Naperville, IL 60540
Phone: 630-717-9263
Fax: 630-357-9489
E-Mail: mattheweiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102889
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter															
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total PAHs	Inorganics	Preservative Key										
			Date	Time							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	Comments	
16		2678-21-601	10/21/15	5:00	6	W	✓	✓	✓												
17		Trip Blank	10/21/15			W	✓														

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: <u>Chad Kelly</u> Company: <u>Terracon</u> Date: <u>10/21/15</u> Time: <u>7:45</u>	Received By: <u>Wendy Phillips</u> Company: <u>TA</u> Date: <u>10/22/15</u> Time: <u>09:45</u>
Relinquished By: <u>Wendy Phillips</u> Company: <u>TA</u> Date: <u>10/22/15</u> Time: <u>08:55</u>	Received By: <u>Wendy Phillips</u> Company: <u>TA-CRT</u> Date: <u>10/22/15</u> Time: <u>08:55</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: Please meet IL TAcO requirements and do NOT run Aluminum analysis. Thank you.

Lab Comments: _____

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-102889-2

Login Number: 102889

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	3.2,2.7,2.9,3.4
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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (both sides)-East of W. Frontage Rd and Higgins Rd IDOT STA 145+40 to 154+00 (ISGS Site 2678-24)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03687 Longitude: -88.03104

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03687 Longitude: -88.03104

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, B06, B07, B08, B09, B10, B11, B12, B13, B14, B15, B16, B17, B18, B20, B21, B22, B23, B24, B25, B26, B29, B30 and B31 were sampled adjacent to ISGS Site No 2678-24. See Exhibits 3, 4, 3B, 3C, 4B, 4C of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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]:

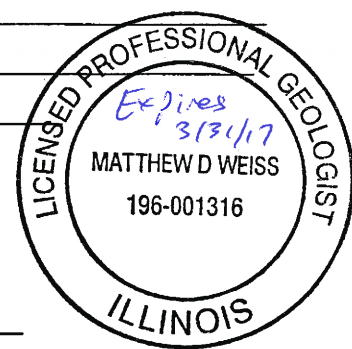
TestAmerica Lab Report No J102977-1 and J102889-3. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. CCDD/USFO facility in MSA County.

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:

[Signature] 12/11/15
 Licensed Professional Engineer or Licensed Professional Geologist Signature: Date:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 34

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B02 (0-3)	2678-24-B03 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.021
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.037	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.038
Fluorene	mg/kg	0.1	0.18	560		<0.037	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		12	6.2
Barium	mg/kg	---	110	1500		42	36
Cadmium	mg/kg	---	0.6	5.2		0.19	0.22
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		15	11
Mercury	mg/kg	---	0.06	0.1		0.035	0.023
Selenium	mg/kg	---	0.48	1.3		0.37	<0.56
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		0.28	<1.1
Beryllium	mg/kg	---	0.59	22		0.7	0.63
Calcium	mg/kg	---	9,300	---		48000	46000
Cobalt	mg/kg	---	8.9	20		10	11
Copper	mg/kg	---	19.6	2900		29	25
Cyanide	mg/kg	---	0.51	---		<0.58	<0.58
Iron	mg/kg	---	15,900	15000		23000	17000
Magnesium	mg/kg	---	4,820	325000		21000	22000
Manganese	mg/kg	---	636	630		240	260
Nickel	mg/kg	---	18	100		32	32
Potassium	mg/kg	---	1,268	---		2100	2100
Sodium	mg/kg	---	130	---		1200	1700
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.56
Vanadium	mg/kg	---	25.2	550		20	17
Zinc	mg/kg	---	95	5100		69	59
pH			6.25	9		8.6	8.9
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.12	0.066
Barium, SPLP	mg/L	---	---	---		0.71	0.48
Beryllium, SPLP	mg/L	---	---	---		0.0085	0.0057
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		87	59
Chromium, SPLP	mg/L	---	---	---		0.21	0.13
Cobalt, SPLP	mg/L	---	---	---		0.059	0.042
Copper, SPLP	mg/L	---	---	---		0.27	0.18
Iron, SPLP	mg/L	---	---	---		240	140
Lead, SPLP	mg/L	---	---	---		0.12	0.083
Magnesium, SPLP	mg/L	---	---	---		66	42
Manganese, SPLP	mg/L	---	---	---		0.98	0.59
Mercury, SPLP	mg/L	---	---	---		0.00026	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.24	0.16
Potassium, SPLP	mg/L	---	---	---		43	34
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
Schaumburg, IL
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B02 (0-3)	2678-24-B03 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0044	0.0033
Vanadium,SPLP	mg/L	---	---	---		0.23	0.16
Zinc,SPLP	mg/L	---	---	---		2.5	0.41
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.36	0.31
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	---	---	---		480	460
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.012
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		24	25
Manganese,TCLP	mg/L	---	---	---		0.34	0.36
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.4	3.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.035	0.78

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B03 (0-3)Dup	2678-24-B04 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	0.028
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.038
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.038	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.8	7.7
Barium	mg/kg	---	110	1500		19	46
Cadmium	mg/kg	---	0.6	5.2		0.21	0.29
Chromium, total	mg/kg	---	16.2	21		12	17
Lead	mg/kg	---	36	107		17	14
Mercury	mg/kg	---	0.06	0.1		0.041	0.031
Selenium	mg/kg	---	0.48	1.3		0.45	0.42
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		<1.1	<1.2
Beryllium	mg/kg	---	0.59	22		0.49	0.69
Calcium	mg/kg	---	9,300	---		50000	42000
Cobalt	mg/kg	---	8.9	20		8.8	20
Copper	mg/kg	---	19.6	2900		28	25
Cyanide	mg/kg	---	0.51	---		<0.55	<0.58
Iron	mg/kg	---	15,900	15000		16000	20000
Magnesium	mg/kg	---	4,820	325000		27000	20000
Manganese	mg/kg	---	636	630		290	420
Nickel	mg/kg	---	18	100		27	40
Potassium	mg/kg	---	1,268	---		1600	2200
Sodium	mg/kg	---	130	---		1400	1200
Thallium	mg/kg	---	0.32	2.6		<0.57	0.5
Vanadium	mg/kg	---	25.2	550		13	18
Zinc	mg/kg	---	95	5100		66	60
pH			6.25	9		8.88	8.59
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.033	0.065
Barium, SPLP	mg/L	---	---	---		0.31	0.47
Beryllium, SPLP	mg/L	---	---	---		<0.0040	0.0059
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		43	65
Chromium, SPLP	mg/L	---	---	---		0.083	0.13
Cobalt, SPLP	mg/L	---	---	---		0.028	0.052
Copper, SPLP	mg/L	---	---	---		0.13	0.19
Iron, SPLP	mg/L	---	---	---		82	150
Lead, SPLP	mg/L	---	---	---		0.041	0.097
Magnesium, SPLP	mg/L	---	---	---		27	46
Manganese, SPLP	mg/L	---	---	---		0.42	0.85
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.11	0.19
Potassium, SPLP	mg/L	---	---	---		22	30
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B03 (0-3)Dup	2678-24-B04 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0021	0.0045
Vanadium,SPLP	mg/L	---	---	---		0.094	0.15
Zinc,SPLP	mg/L	---	---	---		0.58	0.4
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.23	0.34
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	---	---	---		450	450
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.01	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		58	60
Manganese,TCLP	mg/L	---	---	---		0.73	1.4
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.6	4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.034	0.066

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B06 (0-3)	2678-24-B07 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.019
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	0.0062
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	0.012
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.039	0.012
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	0.014
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.039	0.0058
Pyrene	mg/kg	1.9	3.0	2300		<0.039	0.011
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.2	8.7
Barium	mg/kg	---	110	1500		68	120
Cadmium	mg/kg	---	0.6	5.2		0.29	0.33
Chromium, total	mg/kg	---	16.2	21		21	20
Lead	mg/kg	---	36	107		12	21
Mercury	mg/kg	---	0.06	0.1		0.04	0.033
Selenium	mg/kg	---	0.48	1.3		<0.56	<0.59
Silver	mg/kg	---	0.55	4.4		<0.28	<0.30
Antimony	mg/kg	---	4.0	5		<1.1	<1.2
Beryllium	mg/kg	---	0.59	22		0.78	0.79
Calcium	mg/kg	---	9,300	---		40000	18000
Cobalt	mg/kg	---	8.9	20		9.6	12
Copper	mg/kg	---	19.6	2900		28	31
Cyanide	mg/kg	---	0.51	---		<0.56	<0.57
Iron	mg/kg	---	15,900	15000		22000	23000
Magnesium	mg/kg	---	4,820	325000		23000	13000
Manganese	mg/kg	---	636	630		430	430
Nickel	mg/kg	---	18	100		28	27
Potassium	mg/kg	---	1,268	---		3600	2700
Sodium	mg/kg	---	130	---		1200	410
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.59
Vanadium	mg/kg	---	25.2	550		25	27
Zinc	mg/kg	---	95	5100		47	58
pH			6.25	9		8.41	8.45
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.037	<0.050
Barium, SPLP	mg/L	---	---	---		0.34	0.16
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		25	26
Chromium, SPLP	mg/L	---	---	---		0.093	0.018
Cobalt, SPLP	mg/L	---	---	---		0.028	<0.025
Copper, SPLP	mg/L	---	---	---		0.1	0.032
Iron, SPLP	mg/L	---	---	---		91	13
Lead, SPLP	mg/L	---	---	---		0.039	0.024
Magnesium, SPLP	mg/L	---	---	---		26	11
Manganese, SPLP	mg/L	---	---	---		0.5	0.16
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.12	0.02
Potassium, SPLP	mg/L	---	---	---		19	5.4
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B06 (0-3)	2678-24-B07 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0032	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.11	0.024
Zinc,SPLP	mg/L	---	---	---		0.21	0.097
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.44	0.31
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	---	---	---		440	370
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		78	110
Manganese,TCLP	mg/L	---	---	---		0.79	1
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		2	2.4
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.12	<0.70

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B08 (0-6)	2678-24-B08 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.017
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	0.0078
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.039
Chrysene	mg/kg	1.2	2.7	88		0.019	0.02
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.039
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.0069	0.031
Pyrene	mg/kg	1.9	3.0	2300		0.022	0.023
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	0.0083
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.7	8.9
Barium	mg/kg	---	110	1500		29	45
Cadmium	mg/kg	---	0.6	5.2		0.26	0.29
Chromium, total	mg/kg	---	16.2	21		16	18
Lead	mg/kg	---	36	107		14	13
Mercury	mg/kg	---	0.06	0.1		0.035	0.028
Selenium	mg/kg	---	0.48	1.3		<0.57	<0.57
Silver	mg/kg	---	0.55	4.4		<0.29	<0.29
Antimony	mg/kg	---	4.0	5		0.34	<1.1
Beryllium	mg/kg	---	0.59	22		0.55	0.65
Calcium	mg/kg	---	9,300	---		41000	49000
Cobalt	mg/kg	---	8.9	20		12	12
Copper	mg/kg	---	19.6	2900		30	29
Cyanide	mg/kg	---	0.51	---		<0.56	<0.55
Iron	mg/kg	---	15,900	15000		17000	20000
Magnesium	mg/kg	---	4,820	325000		26000	29000
Manganese	mg/kg	---	636	630		370	400
Nickel	mg/kg	---	18	100		29	29
Potassium	mg/kg	---	1,268	---		2900	3700
Sodium	mg/kg	---	130	---		1100	670
Thallium	mg/kg	---	0.32	2.6		0.79	<0.57
Vanadium	mg/kg	---	25.2	550		18	20
Zinc	mg/kg	---	95	5100		51	47
pH			6.25	9		8.11	7.96
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.01	<0.050
Barium, SPLP	mg/L	---	---	---		0.13	0.093
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		20	24
Chromium, SPLP	mg/L	---	---	---		0.03	<0.025
Cobalt, SPLP	mg/L	---	---	---		0.022	<0.025
Copper, SPLP	mg/L	---	---	---		0.059	0.013
Iron, SPLP	mg/L	---	---	---		25	1.2
Lead, SPLP	mg/L	---	---	---		0.026	<0.0075
Magnesium, SPLP	mg/L	---	---	---		11	6.2
Manganese, SPLP	mg/L	---	---	---		0.41	0.065
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.044	<0.025
Potassium, SPLP	mg/L	---	---	---		9.7	3.5
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B08 (0-6)	2678-24-B08 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.042	<0.025
Zinc,SPLP	mg/L	---	---	---		0.21	0.053
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.42	0.58
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	---	---	---		340	410
Cobalt,TCLP	mg/L	---	---	---		0.023	0.035
Copper,TCLP	mg/L	---	---	---		<0.025	0.018
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		69	36
Manganese,TCLP	mg/L	---	---	---		2.3	2.5
Nickel,TCLP	mg/L	---	---	---		0.036	0.062
Potassium,TCLP	mg/L	---	---	---		4.5	8.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.79	0.049

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B09 (0-6)	2678-24-B09 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		0.019	<0.020
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.013
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.038
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.0055	0.0079
Pyrene	mg/kg	1.9	3.0	2300		0.012	0.015
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		10	6.7
Barium	mg/kg	---	110	1500		49	52
Cadmium	mg/kg	---	0.6	5.2		0.36	0.39
Chromium, total	mg/kg	---	16.2	21		18	19
Lead	mg/kg	---	36	107		18	12
Mercury	mg/kg	---	0.06	0.1		0.036	0.028
Selenium	mg/kg	---	0.48	1.3		<0.59	<0.57
Silver	mg/kg	---	0.55	4.4		<0.30	<0.29
Antimony	mg/kg	---	4.0	5		0.52	<1.1
Beryllium	mg/kg	---	0.59	22		0.66	0.67
Calcium	mg/kg	---	9,300	---		37000	71000
Cobalt	mg/kg	---	8.9	20		12	10
Copper	mg/kg	---	19.6	2900		34	26
Cyanide	mg/kg	---	0.51	---		<0.59	<0.58
Iron	mg/kg	---	15,900	15000		22000	20000
Magnesium	mg/kg	---	4,820	325000		24000	30000
Manganese	mg/kg	---	636	630		390	390
Nickel	mg/kg	---	18	100		28	26
Potassium	mg/kg	---	1,268	---		3200	4000
Sodium	mg/kg	---	130	---		1900	880
Thallium	mg/kg	---	0.32	2.6		<0.59	<0.57
Vanadium	mg/kg	---	25.2	550		23	22
Zinc	mg/kg	---	95	5100		55	47
pH			6.25	9		8.28	7.99
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.11	<0.050
Barium, SPLP	mg/L	---	---	---		0.67	0.12
Beryllium, SPLP	mg/L	---	---	---		0.0068	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		36	26
Chromium, SPLP	mg/L	---	---	---		0.16	<0.025
Cobalt, SPLP	mg/L	---	---	---		0.091	<0.025
Copper, SPLP	mg/L	---	---	---		0.42	0.021
Iron, SPLP	mg/L	---	---	---		210	2.3
Lead, SPLP	mg/L	---	---	---		0.15	<0.0075
Magnesium, SPLP	mg/L	---	---	---		40	7.4
Manganese, SPLP	mg/L	---	---	---		1.7	0.13
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.24	<0.025
Potassium, SPLP	mg/L	---	---	---		33	3.7
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B09 (0-6)	2678-24-B09 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0057	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.2	<0.025
Zinc,SPLP	mg/L	---	---	---		0.57	0.65
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.51	0.72
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	---	---	---		370	540
Cobalt,TCLP	mg/L	---	---	---		0.014	<0.025
Copper,TCLP	mg/L	---	---	---		0.022	0.017
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.28	<0.20
Magnesium,TCLP	mg/L	---	---	---		90	31
Manganese,TCLP	mg/L	---	---	---		3.6	2.4
Nickel,TCLP	mg/L	---	---	---		0.018	0.021
Potassium,TCLP	mg/L	---	---	---		3.6	7.7
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.61	0.13

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B10 (0-5)	2678-24-B10 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.019
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.039
Chrysene	mg/kg	1.2	2.7	88		0.02	0.013
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.039
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		0.02	0.018
Pyrene	mg/kg	1.9	3.0	2300		0.026	0.012
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.4	5.6
Barium	mg/kg	---	110	1500		42	51
Cadmium	mg/kg	---	0.6	5.2		0.36	0.29
Chromium, total	mg/kg	---	16.2	21		20	20
Lead	mg/kg	---	36	107		15	9.4
Mercury	mg/kg	---	0.06	0.1		0.034	0.031
Selenium	mg/kg	---	0.48	1.3		<0.55	<0.57
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		0.26	<1.1
Beryllium	mg/kg	---	0.59	22		0.73	0.7
Calcium	mg/kg	---	9,300	---		40000	56000
Cobalt	mg/kg	---	8.9	20		23	10
Copper	mg/kg	---	19.6	2900		30	25
Cyanide	mg/kg	---	0.51	---		<0.54	<0.56
Iron	mg/kg	---	15,900	15000		21000	19000
Magnesium	mg/kg	---	4,820	325000		26000	30000
Manganese	mg/kg	---	636	630		550	400
Nickel	mg/kg	---	18	100		35	26
Potassium	mg/kg	---	1,268	---		4100	4100
Sodium	mg/kg	---	130	---		1700	1200
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.57
Vanadium	mg/kg	---	25.2	550		22	23
Zinc	mg/kg	---	95	5100		52	46
pH			6.25	9		8.79	8.01
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.033	0.011
Barium, SPLP	mg/L	---	---	---		0.27	0.31
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		27	60
Chromium, SPLP	mg/L	---	---	---		0.078	0.052
Cobalt, SPLP	mg/L	---	---	---		0.027	0.027
Copper, SPLP	mg/L	---	---	---		0.12	0.086
Iron, SPLP	mg/L	---	---	---		71	39
Lead, SPLP	mg/L	---	---	---		0.032	0.03
Magnesium, SPLP	mg/L	---	---	---		23	23
Manganese, SPLP	mg/L	---	---	---		0.36	0.78
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.094	0.065
Potassium, SPLP	mg/L	---	---	---		22	16
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B10 (0-5)	2678-24-B10 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.085	0.061
Zinc,SPLP	mg/L	---	---	---		0.27	0.24
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.37	0.68
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	---	---	---		420	520
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.014
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		90	30
Manganese,TCLP	mg/L	---	---	---		0.94	2.6
Nickel,TCLP	mg/L	---	---	---		<0.025	0.015
Potassium,TCLP	mg/L	---	---	---		4.3	7.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.38	0.045

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B11 (0-3)	2678-24-B11 (0-3)Dup
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.016	<0.018
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.033	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0072	0.01
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.033	0.018
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.02	0.04
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.013	0.011
Chrysene	mg/kg	1.2	2.7	88		0.014	0.026
Fluoranthene	mg/kg	2.7	4.1	3100		0.018	0.022
Fluorene	mg/kg	0.1	0.18	560		<0.033	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.0084	0.0062
Pyrene	mg/kg	1.9	3.0	2300		0.018	0.027
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.033	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.7	6.4
Barium	mg/kg	---	110	1500		41	33
Cadmium	mg/kg	---	0.6	5.2		0.36	0.37
Chromium, total	mg/kg	---	16.2	21		16	14
Lead	mg/kg	---	36	107		15	14
Mercury	mg/kg	---	0.06	0.1		0.03	0.032
Selenium	mg/kg	---	0.48	1.3		<0.47	<0.56
Silver	mg/kg	---	0.55	4.4		<0.24	<0.28
Antimony	mg/kg	---	4.0	5		0.26	<1.1
Beryllium	mg/kg	---	0.59	22		0.59	0.5
Calcium	mg/kg	---	9,300	---		42000	100000
Cobalt	mg/kg	---	8.9	20		9.7	7.7
Copper	mg/kg	---	19.6	2900		24	23
Cyanide	mg/kg	---	0.51	---		<0.48	<0.59
Iron	mg/kg	---	15,900	15000		18000	16000
Magnesium	mg/kg	---	4,820	325000		24000	49000
Manganese	mg/kg	---	636	630		450	500
Nickel	mg/kg	---	18	100		25	20
Potassium	mg/kg	---	1,268	---		3200	3100
Sodium	mg/kg	---	130	---		1900	1800
Thallium	mg/kg	---	0.32	2.6		<0.47	<0.56
Vanadium	mg/kg	---	25.2	550		21	16
Zinc	mg/kg	---	95	5100		50	45
pH			6.25	9		8.69	8.76
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.079	0.046
Barium, SPLP	mg/L	---	---	---		0.61	0.33
Beryllium, SPLP	mg/L	---	---	---		0.0062	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		48	31
Chromium, SPLP	mg/L	---	---	---		0.15	0.077
Cobalt, SPLP	mg/L	---	---	---		0.056	0.035
Copper, SPLP	mg/L	---	---	---		0.24	0.13
Iron, SPLP	mg/L	---	---	---		170	84
Lead, SPLP	mg/L	---	---	---		0.13	0.058
Magnesium, SPLP	mg/L	---	---	---		44	24
Manganese, SPLP	mg/L	---	---	---		0.96	0.49
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.21	0.11
Potassium, SPLP	mg/L	---	---	---		33	21
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B11 (0-3)	2678-24-B11 (0-3)Dup
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0056	0.0045
Vanadium,SPLP	mg/L	---	---	---		0.16	0.091
Zinc,SPLP	mg/L	---	---	---		0.57	0.78
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.39	0.37
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	---	---	---		460	470
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.015	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.28	<0.20
Magnesium,TCLP	mg/L	---	---	---		22	34
Manganese,TCLP	mg/L	---	---	---		0.2	1
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.2	3.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.88	0.038

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B12 (0-3)	2678-24-B13 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.020
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.040	<0.041
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.040	<0.041
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.040	<0.041
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.040	0.011
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.040	<0.041
Chrysene	mg/kg	1.2	2.7	88		0.017	0.012
Fluoranthene	mg/kg	2.7	4.1	3100		<0.040	<0.041
Fluorene	mg/kg	0.1	0.18	560		<0.040	<0.041
Phenanthrene	mg/kg	1.3	2.5	210		<0.040	<0.041
Pyrene	mg/kg	1.9	3.0	2300		0.022	<0.041
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.040	<0.041
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.8	9.9
Barium	mg/kg	---	110	1500		48	49
Cadmium	mg/kg	---	0.6	5.2		0.41	0.46
Chromium, total	mg/kg	---	16.2	21		21	22
Lead	mg/kg	---	36	107		13	23
Mercury	mg/kg	---	0.06	0.1		0.041	0.035
Selenium	mg/kg	---	0.48	1.3		<0.59	<0.59
Silver	mg/kg	---	0.55	4.4		<0.30	<0.30
Antimony	mg/kg	---	4.0	5		<1.2	0.36
Beryllium	mg/kg	---	0.59	22		0.76	0.81
Calcium	mg/kg	---	9,300	---		46000	51000
Cobalt	mg/kg	---	8.9	20		11	12
Copper	mg/kg	---	19.6	2900		28	29
Cyanide	mg/kg	---	0.51	---		<0.57	<0.60
Iron	mg/kg	---	15,900	15000		22000	23000
Magnesium	mg/kg	---	4,820	325000		26000	28000
Manganese	mg/kg	---	636	630		390	420
Nickel	mg/kg	---	18	100		30	31
Potassium	mg/kg	---	1,268	---		3900	4700
Sodium	mg/kg	---	130	---		1400	2500
Thallium	mg/kg	---	0.32	2.6		<0.59	<0.59
Vanadium	mg/kg	---	25.2	550		23	25
Zinc	mg/kg	---	95	5100		53	53
pH			6.25	9		8.46	8.59
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.064	0.048
Barium, SPLP	mg/L	---	---	---		0.39	0.39
Beryllium, SPLP	mg/L	---	---	---		0.0045	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		52	57
Chromium, SPLP	mg/L	---	---	---		0.11	0.098
Cobalt, SPLP	mg/L	---	---	---		0.046	0.032
Copper, SPLP	mg/L	---	---	---		0.14	0.12
Iron, SPLP	mg/L	---	---	---		110	97
Lead, SPLP	mg/L	---	---	---		0.064	0.059
Magnesium, SPLP	mg/L	---	---	---		35	33
Manganese, SPLP	mg/L	---	---	---		0.63	0.47
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.14	0.12
Potassium, SPLP	mg/L	---	---	---		28	23
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B12 (0-3)	2678-24-B13 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0062	0.003
Vanadium,SPLP	mg/L	---	---	---		0.12	0.11
Zinc,SPLP	mg/L	---	---	---		0.37	0.48
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.34	0.37
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	---	---	---		480	500
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.015
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		32	23
Manganese,TCLP	mg/L	---	---	---		0.79	0.062
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		4.5	3.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.063	0.042

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B14 (0-3)	2678-24-B15 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.021
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.036	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.036	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.036	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.0089	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.036	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.036	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.036	<0.038
Fluorene	mg/kg	0.1	0.18	560		<0.036	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.036	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.036	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.036	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.6	12
Barium	mg/kg	---	110	1500		66	53
Cadmium	mg/kg	---	0.6	5.2		0.4	0.43
Chromium, total	mg/kg	---	16.2	21		20	20
Lead	mg/kg	---	36	107		12	16
Mercury	mg/kg	---	0.06	0.1		0.026	0.035
Selenium	mg/kg	---	0.48	1.3		<0.55	<0.56
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	0.37
Beryllium	mg/kg	---	0.59	22		0.76	0.79
Calcium	mg/kg	---	9,300	---		41000	39000
Cobalt	mg/kg	---	8.9	20		11	10
Copper	mg/kg	---	19.6	2900		27	32
Cyanide	mg/kg	---	0.51	---		<0.53	0.22
Iron	mg/kg	---	15,900	15000		21000	25000
Magnesium	mg/kg	---	4,820	325000		24000	25000
Manganese	mg/kg	---	636	630		550	470
Nickel	mg/kg	---	18	100		29	28
Potassium	mg/kg	---	1,268	---		4200	3800
Sodium	mg/kg	---	130	---		1800	3100
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.56
Vanadium	mg/kg	---	25.2	550		25	25
Zinc	mg/kg	---	95	5100		51	53
pH			6.25	9		8.31	8.48
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.046	0.1
Barium, SPLP	mg/L	---	---	---		0.39	0.66
Beryllium, SPLP	mg/L	---	---	---		<0.0040	0.0077
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		29	36
Chromium, SPLP	mg/L	---	---	---		0.088	0.18
Cobalt, SPLP	mg/L	---	---	---		0.028	0.052
Copper, SPLP	mg/L	---	---	---		0.12	0.26
Iron, SPLP	mg/L	---	---	---		92	200
Lead, SPLP	mg/L	---	---	---		0.045	0.098
Magnesium, SPLP	mg/L	---	---	---		24	43
Manganese, SPLP	mg/L	---	---	---		0.38	0.73
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.1	0.21
Potassium, SPLP	mg/L	---	---	---		19	42
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B14 (0-3)	2678-24-B15 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/21/2015	10/21/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0029	0.0061
Vanadium,SPLP	mg/L	---	---	---		0.1	0.21
Zinc,SPLP	mg/L	---	---	---		0.28	2.1
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.51	0.44
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	---	---	---		500	340
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		29	66
Manganese,TCLP	mg/L	---	---	---		0.38	0.044
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		3.5	3.6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.36	0.037

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B16 (0-6)	2678-24-B16 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	<0.018
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.040	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.040	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.040	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.018	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.040	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.040	0.022
Fluoranthene	mg/kg	2.7	4.1	3100		0.008	0.008
Fluorene	mg/kg	0.1	0.18	560		<0.040	0.012
Phenanthrene	mg/kg	1.3	2.5	210		<0.040	0.058
Pyrene	mg/kg	1.9	3.0	2300		0.027	0.01
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.040	0.02
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7.3	7.8
Barium	mg/kg	---	110	1500		64	39
Cadmium	mg/kg	---	0.6	5.2		0.39	0.26
Chromium, total	mg/kg	---	16.2	21		20	16
Lead	mg/kg	---	36	107		20	13
Mercury	mg/kg	---	0.06	0.1		0.043	0.03
Selenium	mg/kg	---	0.48	1.3		0.44	0.27
Silver	mg/kg	---	0.55	4.4		<0.30	<0.28
Antimony	mg/kg	---	4.0	5		0.32	0.36
Beryllium	mg/kg	---	0.59	22		0.8	0.62
Calcium	mg/kg	---	9,300	---		6200	65000
Cobalt	mg/kg	---	8.9	20		17	12
Copper	mg/kg	---	19.6	2900		27	24
Cyanide	mg/kg	---	0.51	---		<0.62	<0.57
Iron	mg/kg	---	15,900	15000		22000	17000
Magnesium	mg/kg	---	4,820	325000		6900	24000
Manganese	mg/kg	---	636	630		470	320
Nickel	mg/kg	---	18	100		37	31
Potassium	mg/kg	---	1,268	---		2100	2700
Sodium	mg/kg	---	130	---		1900	360
Thallium	mg/kg	---	0.32	2.6		<0.61	<0.55
Vanadium	mg/kg	---	25.2	550		19	18
Zinc	mg/kg	---	95	5100		79	57
pH			6.25	9		7.4	7.93
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.12	<0.050
Barium, SPLP	mg/L	---	---	---		0.66	0.075
Beryllium, SPLP	mg/L	---	---	---		0.0069	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		28	23
Chromium, SPLP	mg/L	---	---	---		0.18	<0.025
Cobalt, SPLP	mg/L	---	---	---		0.068	<0.025
Copper, SPLP	mg/L	---	---	---		0.25	0.017
Iron, SPLP	mg/L	---	---	---		240	0.79
Lead, SPLP	mg/L	---	---	---		0.13	<0.0075
Magnesium, SPLP	mg/L	---	---	---		43	6.4
Manganese, SPLP	mg/L	---	---	---		0.79	0.065
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.25	<0.025
Potassium, SPLP	mg/L	---	---	---		24	3.4
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B16 (0-6)	2678-24-B16 (6-13)
				CCDD	Sample Depth (feet)	(0-6)	(6-13)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0039	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.18	<0.025
Zinc,SPLP	mg/L	---	---	---		0.57	0.27
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.37	0.47
Cadmium,TCLP	mg/L	---	---	---		0.0029	0.002
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	---	---	---		220	490
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.026
Copper,TCLP	mg/L	---	---	---		0.011	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.31	<0.20
Magnesium,TCLP	mg/L	---	---	---		110	24
Manganese,TCLP	mg/L	---	---	---		0.33	1.7
Nickel,TCLP	mg/L	---	---	---		<0.025	0.071
Potassium,TCLP	mg/L	---	---	---		2	5.5
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		<0.10	0.078

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B17 (0-3)	2678-24-B18 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.024	<0.020
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.0082	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.02	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.011	<0.038
Chrysene	mg/kg	1.2	2.7	88		0.015	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		0.016	<0.038
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.039	<0.038
Pyrene	mg/kg	1.9	3.0	2300		0.026	<0.038
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039	<0.038
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9	10
Barium	mg/kg	---	110	1500		53	67
Cadmium	mg/kg	---	0.6	5.2		0.34	0.27
Chromium, total	mg/kg	---	16.2	21		17	22
Lead	mg/kg	---	36	107		32	20
Mercury	mg/kg	---	0.06	0.1		0.031	0.034
Selenium	mg/kg	---	0.48	1.3		0.6	0.46
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.69	0.95
Calcium	mg/kg	---	9,300	---		16000	1800
Cobalt	mg/kg	---	8.9	20		13	18
Copper	mg/kg	---	19.6	2900		23	30
Cyanide	mg/kg	---	0.51	---		0.19	<0.59
Iron	mg/kg	---	15,900	15000		20000	26000
Magnesium	mg/kg	---	4,820	325000		11000	5200
Manganese	mg/kg	---	636	630		290	260
Nickel	mg/kg	---	18	100		29	45
Potassium	mg/kg	---	1,268	---		1500	2400
Sodium	mg/kg	---	130	---		2900	1900
Thallium	mg/kg	---	0.32	2.6		<0.56	<0.56
Vanadium	mg/kg	---	25.2	550		27	25
Zinc	mg/kg	---	95	5100		67	73
pH			6.25	9		8.65	8.06
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.089	0.099
Barium, SPLP	mg/L	---	---	---		0.64	1.1
Beryllium, SPLP	mg/L	---	---	---		0.0059	0.0099
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		44	44
Chromium, SPLP	mg/L	---	---	---		0.14	0.24
Cobalt, SPLP	mg/L	---	---	---		0.069	0.09
Copper, SPLP	mg/L	---	---	---		0.25	0.28
Iron, SPLP	mg/L	---	---	---		190	250
Lead, SPLP	mg/L	---	---	---		0.12	0.32
Magnesium, SPLP	mg/L	---	---	---		36	40
Manganese, SPLP	mg/L	---	---	---		1.5	2.7
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.23	0.26
Potassium, SPLP	mg/L	---	---	---		19	39
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B17 (0-3)	2678-24-B18 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0038	0.0047
Vanadium,SPLP	mg/L	---	---	---		0.16	0.36
Zinc,SPLP	mg/L	---	---	---		0.52	0.73
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.33	0.4
Cadmium,TCLP	mg/L	---	---	---		0.0027	0.0023
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	---	---	---		330	210
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.019
Copper,TCLP	mg/L	---	---	---		0.019	0.012
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.64	0.33
Magnesium,TCLP	mg/L	---	---	---		61	66
Manganese,TCLP	mg/L	---	---	---		0.96	10
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		2.3	1.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		1	0.059

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

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FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B20 (0-3)	2678-24-B21 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.018
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	<0.036
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.036
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.036
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.036
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.036
Chrysene	mg/kg	1.2	2.7	88		0.017	<0.036
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.036
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.036
Phenanthrene	mg/kg	1.3	2.5	210		0.014	<0.036
Pyrene	mg/kg	1.9	3.0	2300		0.01	<0.036
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.036
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6.6	7.6
Barium	mg/kg	---	110	1500		31	33
Cadmium	mg/kg	---	0.6	5.2		0.29	0.29
Chromium, total	mg/kg	---	16.2	21		16	15
Lead	mg/kg	---	36	107		14	14
Mercury	mg/kg	---	0.06	0.1		0.034	0.021
Selenium	mg/kg	---	0.48	1.3		0.48	0.68
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	<1.1
Beryllium	mg/kg	---	0.59	22		0.65	0.58
Calcium	mg/kg	---	9,300	---		59000	55000
Cobalt	mg/kg	---	8.9	20		13	11
Copper	mg/kg	---	19.6	2900		27	23
Cyanide	mg/kg	---	0.51	---		<0.59	<0.56
Iron	mg/kg	---	15,900	15000		18000	17000
Magnesium	mg/kg	---	4,820	325000		24000	25000
Manganese	mg/kg	---	636	630		320	260
Nickel	mg/kg	---	18	100		32	30
Potassium	mg/kg	---	1,268	---		2300	2300
Sodium	mg/kg	---	130	---		1100	380
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.56
Vanadium	mg/kg	---	25.2	550		18	17
Zinc	mg/kg	---	95	5100		54	63
pH			6.25	9		8.48	8.39
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		<0.050	0.021
Barium, SPLP	mg/L	---	---	---		0.18	0.28
Beryllium, SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		50	34
Chromium, SPLP	mg/L	---	---	---		0.033	0.063
Cobalt, SPLP	mg/L	---	---	---		<0.025	0.018
Copper, SPLP	mg/L	---	---	---		0.038	0.075
Iron, SPLP	mg/L	---	---	---		22	56
Lead, SPLP	mg/L	---	---	---		0.014	0.042
Magnesium, SPLP	mg/L	---	---	---		13	22
Manganese, SPLP	mg/L	---	---	---		0.18	0.26
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.029	0.069
Potassium, SPLP	mg/L	---	---	---		12	19
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B20 (0-3)	2678-24-B21 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.036	0.079
Zinc,SPLP	mg/L	---	---	---		0.15	0.49
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.25	0.3
Cadmium,TCLP	mg/L	---	---	---		0.0024	0.0028
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	---	---	---		440	390
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	0.011
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		21	41
Manganese,TCLP	mg/L	---	---	---		0.86	0.64
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1.9	1.9
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.085	0.25

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B22 (0-3)	2678-24-B22 (0-3) Dup
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.018	<0.020
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.038	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.014	0.011
Fluoranthene	mg/kg	2.7	4.1	3100		0.013	<0.037
Fluorene	mg/kg	0.1	0.18	560		<0.038	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.037
Pyrene	mg/kg	1.9	3.0	2300		0.031	0.0097
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.038	<0.037
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9	6.3
Barium	mg/kg	---	110	1500		32	34
Cadmium	mg/kg	---	0.6	5.2		0.31	0.27
Chromium, total	mg/kg	---	16.2	21		16	15
Lead	mg/kg	---	36	107		14	14
Mercury	mg/kg	---	0.06	0.1		0.025	0.031
Selenium	mg/kg	---	0.48	1.3		0.47	<0.56
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		0.4	<1.1
Beryllium	mg/kg	---	0.59	22		0.64	0.63
Calcium	mg/kg	---	9,300	---		51000	58000
Cobalt	mg/kg	---	8.9	20		10	14
Copper	mg/kg	---	19.6	2900		26	24
Cyanide	mg/kg	---	0.51	---		<0.58	<0.57
Iron	mg/kg	---	15,900	15000		19000	18000
Magnesium	mg/kg	---	4,820	325000		23000	27000
Manganese	mg/kg	---	636	630		260	330
Nickel	mg/kg	---	18	100		30	34
Potassium	mg/kg	---	1,268	---		2500	2400
Sodium	mg/kg	---	130	---		1600	1500
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.56
Vanadium	mg/kg	---	25.2	550		19	18
Zinc	mg/kg	---	95	5100		71	58
pH			6.25	9		8.44	8.2
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.1	0.086
Barium, SPLP	mg/L	---	---	---		0.52	0.44
Beryllium, SPLP	mg/L	---	---	---		0.0085	0.0066
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		53	40
Chromium, SPLP	mg/L	---	---	---		0.19	0.15
Cobalt, SPLP	mg/L	---	---	---		0.055	0.065
Copper, SPLP	mg/L	---	---	---		0.29	0.23
Iron, SPLP	mg/L	---	---	---		200	160
Lead, SPLP	mg/L	---	---	---		0.14	0.11
Magnesium, SPLP	mg/L	---	---	---		50	39
Manganese, SPLP	mg/L	---	---	---		0.75	1.1
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.22	0.21
Potassium, SPLP	mg/L	---	---	---		51	42
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B22 (0-3)	2678-24-B22 (0-3) Dup
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0048	0.0038
Vanadium,SPLP	mg/L	---	---	---		0.22	0.18
Zinc,SPLP	mg/L	---	---	---		1.4	0.7
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.28	0.25
Cadmium,TCLP	mg/L	---	---	---		0.003	0.0027
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	---	---	---		350	310
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.013	0.011
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	0.4
Magnesium,TCLP	mg/L	---	---	---		44	39
Manganese,TCLP	mg/L	---	---	---		0.59	1.7
Nickel,TCLP	mg/L	---	---	---		<0.025	0.011
Potassium,TCLP	mg/L	---	---	---		2.2	2.2
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.059	0.24

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B23 (0-3)	2678-24-B24 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.019
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.039	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039	<0.039
Fluorene	mg/kg	0.1	0.18	560		<0.039	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.039	0.0081
Pyrene	mg/kg	1.9	3.0	2300		<0.039	<0.039
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.9	9.9
Barium	mg/kg	---	110	1500		39	54
Cadmium	mg/kg	---	0.6	5.2		0.26	0.33
Chromium, total	mg/kg	---	16.2	21		17	19
Lead	mg/kg	---	36	107		15	18
Mercury	mg/kg	---	0.06	0.1		0.027	0.04
Selenium	mg/kg	---	0.48	1.3		<0.59	0.36
Silver	mg/kg	---	0.55	4.4		<0.29	<0.29
Antimony	mg/kg	---	4.0	5		0.29	0.34
Beryllium	mg/kg	---	0.59	22		0.69	0.79
Calcium	mg/kg	---	9,300	---		33000	21000
Cobalt	mg/kg	---	8.9	20		15	16
Copper	mg/kg	---	19.6	2900		28	28
Cyanide	mg/kg	---	0.51	---		<0.60	<0.60
Iron	mg/kg	---	15,900	15000		20000	23000
Magnesium	mg/kg	---	4,820	325000		21000	14000
Manganese	mg/kg	---	636	630		370	320
Nickel	mg/kg	---	18	100		34	39
Potassium	mg/kg	---	1,268	---		2200	2400
Sodium	mg/kg	---	130	---		2300	1800
Thallium	mg/kg	---	0.32	2.6		<0.59	<0.58
Vanadium	mg/kg	---	25.2	550		21	25
Zinc	mg/kg	---	95	5100		70	66
pH			6.25	9		8.05	8.24
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.069	0.065
Barium, SPLP	mg/L	---	---	---		0.58	0.56
Beryllium, SPLP	mg/L	---	---	---		0.0067	0.0063
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		46	53
Chromium, SPLP	mg/L	---	---	---		0.16	0.14
Cobalt, SPLP	mg/L	---	---	---		0.056	0.058
Copper, SPLP	mg/L	---	---	---		0.19	0.17
Iron, SPLP	mg/L	---	---	---		160	140
Lead, SPLP	mg/L	---	---	---		0.077	0.081
Magnesium, SPLP	mg/L	---	---	---		41	38
Manganese, SPLP	mg/L	---	---	---		1.5	1.8
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.19	0.17
Potassium, SPLP	mg/L	---	---	---		38	35
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B23 (0-3)	2678-24-B24 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0027	0.0029
Vanadium,SPLP	mg/L	---	---	---		0.19	0.19
Zinc,SPLP	mg/L	---	---	---		0.47	0.38
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.32	0.42
Cadmium,TCLP	mg/L	---	---	---		0.0021	0.0027
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	---	---	---		340	390
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.016
Copper,TCLP	mg/L	---	---	---		0.014	0.012
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.21	0.22
Magnesium,TCLP	mg/L	---	---	---		39	46
Manganese,TCLP	mg/L	---	---	---		1.6	4.5
Nickel,TCLP	mg/L	---	---	---		<0.025	0.013
Potassium,TCLP	mg/L	---	---	---		1.7	2.1
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.91	0.17

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
Schaumburg, IL
Terracon Project No. 11157103
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B25 (0-3)	2678-24-B26 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.019	<0.019
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.037	<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.037	<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.039
Fluorene	mg/kg	0.1	0.18	560		<0.037	<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	0.011
Pyrene	mg/kg	1.9	3.0	2300		<0.037	<0.039
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.037	<0.039
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		8.2	9.8
Barium	mg/kg	---	110	1500		33	59
Cadmium	mg/kg	---	0.6	5.2		0.29	0.33
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		13	17
Mercury	mg/kg	---	0.06	0.1		0.032	0.032
Selenium	mg/kg	---	0.48	1.3		<0.55	0.61
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		0.37	0.4
Beryllium	mg/kg	---	0.59	22		0.62	0.69
Calcium	mg/kg	---	9,300	---		61000	53000
Cobalt	mg/kg	---	8.9	20		11	13
Copper	mg/kg	---	19.6	2900		23	26
Cyanide	mg/kg	---	0.51	---		<0.55	<0.58
Iron	mg/kg	---	15,900	15000		19000	23000
Magnesium	mg/kg	---	4,820	325000		24000	22000
Manganese	mg/kg	---	636	630		320	350
Nickel	mg/kg	---	18	100		29	32
Potassium	mg/kg	---	1,268	---		2200	2200
Sodium	mg/kg	---	130	---		1500	1700
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.56
Vanadium	mg/kg	---	25.2	550		19	23
Zinc	mg/kg	---	95	5100		59	65
pH			6.25	9		8.31	8.04
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.026	0.073
Barium, SPLP	mg/L	---	---	---		0.39	0.6
Beryllium, SPLP	mg/L	---	---	---		<0.0040	0.0071
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		67	65
Chromium, SPLP	mg/L	---	---	---		0.057	0.16
Cobalt, SPLP	mg/L	---	---	---		0.026	0.068
Copper, SPLP	mg/L	---	---	---		0.078	0.21
Iron, SPLP	mg/L	---	---	---		54	160
Lead, SPLP	mg/L	---	---	---		0.04	0.1
Magnesium, SPLP	mg/L	---	---	---		27	46
Manganese, SPLP	mg/L	---	---	---		0.95	1.5
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.074	0.2
Potassium, SPLP	mg/L	---	---	---		17	40
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B25 (0-3)	2678-24-B26 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0034
Vanadium,SPLP	mg/L	---	---	---		0.082	0.21
Zinc,SPLP	mg/L	---	---	---		0.42	0.46
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.35	0.42
Cadmium,TCLP	mg/L	---	---	---		0.0025	0.0024
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	---	---	---		440	470
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		0.01	0.013
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	0.36
Magnesium,TCLP	mg/L	---	---	---		30	36
Manganese,TCLP	mg/L	---	---	---		2	2.5
Nickel,TCLP	mg/L	---	---	---		0.01	0.01
Potassium,TCLP	mg/L	---	---	---		2.3	2.6
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.051	0.68

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B29 (0-3)	2678-24-B30 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Volatile Organic Analytical Parameters							
Acetone	mg/kg	---	---	25		<0.020	0.033
Semivolatile Organic Analytical Parameters							
Acenaphthene	mg/kg	0.09	0.13	570		<0.039	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		0.013	0.014
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		0.024	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.026	0.031
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		0.015	<0.037
Chrysene	mg/kg	1.2	2.7	88		0.027	0.016
Fluoranthene	mg/kg	2.7	4.1	3100		0.038	0.027
Fluorene	mg/kg	0.1	0.18	560		<0.039	0.0096
Phenanthrene	mg/kg	1.3	2.5	210		0.027	0.035
Pyrene	mg/kg	1.9	3.0	2300		0.039	0.033
2-Methylnaphthalene	mg/kg	---	0.14	---		0.0078	<0.037
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.5	11
Barium	mg/kg	---	110	1500		42	42
Cadmium	mg/kg	---	0.6	5.2		0.36	0.35
Chromium, total	mg/kg	---	16.2	21		17	15
Lead	mg/kg	---	36	107		30	26
Mercury	mg/kg	---	0.06	0.1		0.038	0.036
Selenium	mg/kg	---	0.48	1.3		0.46	0.73
Silver	mg/kg	---	0.55	4.4		<0.29	<0.28
Antimony	mg/kg	---	4.0	5		0.48	0.28
Beryllium	mg/kg	---	0.59	22		0.67	0.69
Calcium	mg/kg	---	9,300	---		54000	31000
Cobalt	mg/kg	---	8.9	20		15	14
Copper	mg/kg	---	19.6	2900		29	32
Cyanide	mg/kg	---	0.51	---		<0.52	<0.58
Iron	mg/kg	---	15,900	15000		20000	21000
Magnesium	mg/kg	---	4,820	325000		25000	18000
Manganese	mg/kg	---	636	630		380	310
Nickel	mg/kg	---	18	100		34	35
Potassium	mg/kg	---	1,268	---		2100	2000
Sodium	mg/kg	---	130	---		1500	1400
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.57
Vanadium	mg/kg	---	25.2	550		21	20
Zinc	mg/kg	---	95	5100		75	73
pH			6.25	9		8.32	8.38
Inorganic Analytical Parameters (SPLP)							
Antimony, SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.036	0.092
Barium, SPLP	mg/L	---	---	---		0.38	0.67
Beryllium, SPLP	mg/L	---	---	---		<0.0040	0.0076
Cadmium, SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium, SPLP	mg/L	---	---	---		41	48
Chromium, SPLP	mg/L	---	---	---		0.062	0.16
Cobalt, SPLP	mg/L	---	---	---		0.034	0.08
Copper, SPLP	mg/L	---	---	---		0.12	0.29
Iron, SPLP	mg/L	---	---	---		70	190
Lead, SPLP	mg/L	---	---	---		0.14	0.2
Magnesium, SPLP	mg/L	---	---	---		21	40
Manganese, SPLP	mg/L	---	---	---		1.4	2.2
Mercury, SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel, SPLP	mg/L	---	---	---		0.085	0.22
Potassium, SPLP	mg/L	---	---	---		17	39
Selenium, SPLP	mg/L	---	---	---		<0.050	<0.050
Silver, SPLP	mg/L	---	---	---		<0.025	<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B29 (0-3)	2678-24-B30 (0-3)
				CCDD	Sample Depth (feet)	(0-3)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0043
Vanadium,SPLP	mg/L	---	---	---		0.099	0.23
Zinc,SPLP	mg/L	---	---	---		0.36	0.5
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	<0.050
Barium,TCLP	mg/L	---	---	---		0.44	0.51
Cadmium,TCLP	mg/L	---	---	---		0.0028	0.0028
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	---	---	---		0.02	<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	---	---	---		340	350
Cobalt,TCLP	mg/L	---	---	---		0.024	0.02
Copper,TCLP	mg/L	---	---	---		0.011	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		0.24	0.21
Magnesium,TCLP	mg/L	---	---	---		58	53
Manganese,TCLP	mg/L	---	---	---		5	5.5
Nickel,TCLP	mg/L	---	---	---		0.018	0.016
Potassium,TCLP	mg/L	---	---	---		2.5	2.8
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.059	0.057

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A
Preliminary Site Investigation
FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-24)
Schaumburg, IL
Terracon Project No. 11157103
Page 33 of 34

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B31 (0-3)
				CCDD	Sample Depth (feet)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015
Volatile Organic Analytical Parameters						
Acetone	mg/kg	---	---	25		<0.020
Semivolatile Organic Analytical Parameters						
Acenaphthene	mg/kg	0.09	0.13	570		<0.039
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.039
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.039
Chrysene	mg/kg	1.2	2.7	88		<0.039
Fluoranthene	mg/kg	2.7	4.1	3100		<0.039
Fluorene	mg/kg	0.1	0.18	560		<0.039
Phenanthrene	mg/kg	1.3	2.5	210		<0.039
Pyrene	mg/kg	1.9	3.0	2300		<0.039
2-Methylnaphthalene	mg/kg	---	0.14	---		<0.039
Inorganic Analytical Parameters						
Arsenic	mg/kg	---	13	11.3		8.8
Barium	mg/kg	---	110	1500		100
Cadmium	mg/kg	---	0.6	5.2		0.32
Chromium, total	mg/kg	---	16.2	21		20
Lead	mg/kg	---	36	107		17
Mercury	mg/kg	---	0.06	0.1		0.045
Selenium	mg/kg	---	0.48	1.3		0.44
Silver	mg/kg	---	0.55	4.4		<0.29
Antimony	mg/kg	---	4.0	5		0.32
Beryllium	mg/kg	---	0.59	22		0.83
Calcium	mg/kg	---	9,300	---		3300
Cobalt	mg/kg	---	8.9	20		14
Copper	mg/kg	---	19.6	2900		24
Cyanide	mg/kg	---	0.51	---		<0.58
Iron	mg/kg	---	15,900	15000		24000
Magnesium	mg/kg	---	4,820	325000		4900
Manganese	mg/kg	---	636	630		490
Nickel	mg/kg	---	18	100		35
Potassium	mg/kg	---	1,268	---		1400
Sodium	mg/kg	---	130	---		1600
Thallium	mg/kg	---	0.32	2.6		<0.57
Vanadium	mg/kg	---	25.2	550		28
Zinc	mg/kg	---	95	5100		65
pH			6.25	9		8.25
Inorganic Analytical Parameters (SPLP)						
Antimony, SPLP	mg/L	---	---	---		<0.0060
Arsenic, SPLP	mg/L	---	---	---		0.11
Barium, SPLP	mg/L	---	---	---		1.2
Beryllium, SPLP	mg/L	---	---	---		0.013
Cadmium, SPLP	mg/L	---	---	---		0.002
Calcium, SPLP	mg/L	---	---	---		56
Chromium, SPLP	mg/L	---	---	---		0.32
Cobalt, SPLP	mg/L	---	---	---		0.11
Copper, SPLP	mg/L	---	---	---		0.33
Iron, SPLP	mg/L	---	---	---		330
Lead, SPLP	mg/L	---	---	---		0.12
Magnesium, SPLP	mg/L	---	---	---		58
Manganese, SPLP	mg/L	---	---	---		4.5
Mercury, SPLP	mg/L	---	---	---		0.00021
Nickel, SPLP	mg/L	---	---	---		0.35
Potassium, SPLP	mg/L	---	---	---		42
Selenium, SPLP	mg/L	---	---	---		<0.050
Silver, SPLP	mg/L	---	---	---		<0.025

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-24-B31 (0-3)
				CCDD	Sample Depth (feet)	(0-3)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015
Sodium,SPLP	mg/L	---	---	---		----
Thallium,SPLP	mg/L	---	---	---		0.0054
Vanadium,SPLP	mg/L	---	---	---		0.47
Zinc,SPLP	mg/L	---	---	---		0.81
Cyanide,SPLP	mg/L	---	---	---		----
Inorganic Analytical Parameters (TCLP)						
Arsenic,TCLP	mg/L	---	---	---		<0.050
Barium,TCLP	mg/L	---	---	---		0.32
Cadmium,TCLP	mg/L	---	---	---		0.0025
Chromium,TCLP	mg/L	---	---	---		<0.025
Lead,TCLP	mg/L	---	---	---		<0.0075
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	---	---	---		180
Cobalt,TCLP	mg/L	---	---	---		0.021
Copper,TCLP	mg/L	---	---	---		0.01
Cyanide,TCLP	mg/L	---	---	---		----
Iron,TCLP	mg/L	---	---	---		0.28
Magnesium,TCLP	mg/L	---	---	---		70
Manganese,TCLP	mg/L	---	---	---		6.4
Nickel,TCLP	mg/L	---	---	---		0.013
Potassium,TCLP	mg/L	---	---	---		1.3
Sodium,TCLP	mg/L	---	---	---		----
Thallium,TCLP	mg/L	---	---	---		<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025
Zinc,TCLP	mg/L	---	---	---		0.051

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: 500-102889-3

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

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Naperville, Illinois 60540

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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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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Job ID: 500-102889-3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-102889-3

Comments

No additional comments.

Receipt

The samples were received on 10/22/2015 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.7° C, 2.9° C, 3.2° C and 3.4° 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 laboratory control sample (LCS) for batch 500-309403 recovered outside control limits for the following analytes: Acenaphthylene; 4-Bromophenyl phenyl ether; Hexachlorobenzene; 3-Nitroaniline; Phenol; and 2,4,5-Tribromophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.(LCS 500-309403/2-A)

Method(s) 8270D: Two acid surrogate recoveries for LCS 500-309403/2-A were outside the upper control limit: (LCS 500-309403/2-A). The associated samples did not contain any target analytes > the RL; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following samples contained one acid surrogate and/or one base/neutral surrogate outside acceptance limits: 2678-24-B01 (0-3) (500-102889-18), 2678-24-B05 (0-3) (500-102889-23), (MB 500-309403/1-A), (500-102889-F-1-G MS), (500-102889-F-1-H MSD), (500-102889-F-23-B MS) and (500-102889-F-23-C MS). The laboratory's SOP allows one acid and one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Phenanthrene	0.035	J	0.038	0.0053	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.022	J	0.038	0.0076	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.39	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	8.3		0.54	0.25	mg/Kg	1		☼	6010B	Total/NA
Barium	25		0.54	0.099	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.52		0.22	0.047	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.16		0.11	0.031	mg/Kg	1		☼	6010B	Total/NA
Chromium	13	B	0.54	0.093	mg/Kg	1		☼	6010B	Total/NA
Cobalt	13		0.27	0.061	mg/Kg	1		☼	6010B	Total/NA
Copper	27	B	0.54	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	16000		11	4.2	mg/Kg	1		☼	6010B	Total/NA
Lead	13		0.27	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	29000		5.4	2.2	mg/Kg	1		☼	6010B	Total/NA
Calcium	75000		110	35	mg/Kg	10		☼	6010B	Total/NA
Manganese	320		0.54	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	32		0.54	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.66		0.54	0.27	mg/Kg	1		☼	6010B	Total/NA
Thallium	0.46	J	0.54	0.27	mg/Kg	1		☼	6010B	Total/NA
Vanadium	15		0.27	0.079	mg/Kg	1		☼	6010B	Total/NA
Zinc	54		1.1	0.34	mg/Kg	1		☼	6010B	Total/NA
Potassium	1800		27	4.4	mg/Kg	1		☼	6010B	Total/NA
Sodium	2100		54	7.2	mg/Kg	1		☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1			6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1			6010B	TCLP
Cobalt	0.026		0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	31	F1	2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.6	F1	0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.037		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	4.2	F1	2.5	0.50	mg/L	1			6010B	TCLP
Arsenic	0.075	F1	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.60	F1	0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0084		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	74	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.21	F1	0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.13		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.32	F1	0.025	0.010	mg/L	1			6010B	SPLP East
Iron	150		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.14	F1	0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	68	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	1.4	F1	0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.30		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	46		2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.20		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.50	J F1 B	0.70	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0065		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.030		0.018	0.0064	mg/Kg	1		☼	7471B	Total/NA
pH	9.27		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3) (Continued)

Lab Sample ID: 500-102889-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.28	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	29	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	240		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.37	J	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	69		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	480		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	24		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.34		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.035	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.12		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.71		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0085		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	87	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.27		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	240		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	66	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.98		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.24		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	43		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.23		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	2.5	B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0044		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.00026		0.00020	0.00020	mg/L	1		7470A	SPLP East
Mercury	0.035		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.60		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.2		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3) (Continued)

Lab Sample ID: 500-102889-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.63		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.22		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	11		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	46000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	260		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1700		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	460		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	25		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.36		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.4		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.78		0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.066		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.48	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0057		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	59	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.083		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	42	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.59		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	34		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.41	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0033		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.023		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.90		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.8		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	19		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.49		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.21		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.8		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup (Continued)

Lab Sample ID: 500-102889-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	28	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	50000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	290		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.45	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	13		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	66		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.23	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	58		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.73		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.034	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.033	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	43	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.083		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.028		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	82		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.041		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	27	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.42		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	22		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.58	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0021		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.041	F1	0.017	0.0059	mg/Kg	1	☼	7471B	Total/NA
pH	8.88		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.028		0.020	0.0039	mg/Kg	1	☼	8260B	Total/NA
Arsenic	7.7		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	20		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3) (Continued)

Lab Sample ID: 500-102889-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	20000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	420		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	40		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.42	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.50	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	60		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	450		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	60		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.066	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.065		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.47	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0059		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	65	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.052		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	150		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.097		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	46	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.85		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	30		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.40	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0045		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.031		0.020	0.0070	mg/Kg	1	☼	7471B	Total/NA
pH	8.59		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.013	J	0.034	0.0093	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0093	J F1	0.034	0.0068	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.51	J F1	1.0	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	14	F1	0.52	0.24	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.52	0.095	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.47		0.21	0.045	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.28		0.10	0.030	mg/Kg	1	☼	6010B	Total/NA
Chromium	12	B	0.52	0.090	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.26	0.059	mg/Kg	1	☼	6010B	Total/NA
Copper	37	F1 B	0.52	0.11	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		10	4.0	mg/Kg	1	☼	6010B	Total/NA
Lead	15	F1	0.26	0.13	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3) (Continued)

Lab Sample ID: 500-102889-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	25000	F2	5.2	2.1	mg/Kg	1	☼	6010B	Total/NA
Calcium	39000	F2	10	3.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	410		0.52	0.10	mg/Kg	1	☼	6010B	Total/NA
Nickel	25	F1	0.52	0.14	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.26	0.076	mg/Kg	1	☼	6010B	Total/NA
Zinc	52	F1	1.0	0.33	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100	F1	26	4.3	mg/Kg	1	☼	6010B	Total/NA
Sodium	810		52	6.9	mg/Kg	1	☼	6010B	Total/NA
Barium	0.40	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	330		5.0	0.50	mg/L	1		6010B	TCLP
Iron	0.25		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.0		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.028	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.12		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.24	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0040		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	15	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.079		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.060		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	160		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.087		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	19	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.87		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	20		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.44	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0071		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.035		0.016	0.0057	mg/Kg	1	☼	7471B	Total/NA
pH	8.57		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.2		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	68		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.78		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	21	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.6		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	28	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	40000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	430		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3) (Continued)

Lab Sample ID: 500-102889-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	25		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	3600		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	440		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	78		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.79		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.12	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.037	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	25	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.028		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	91		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.039		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	26	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.50		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.21	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0032		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.040		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.41		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0062	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.012	J	0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.012	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.014	J	0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0058	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.011	J	0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.7		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	120		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.79		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	31	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	13000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	18000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	430		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3) (Continued)

Lab Sample ID: 500-102889-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	27		0.30	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	58		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2700		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	410		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.0		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.4	J	2.5	0.50	mg/L	1		6010B	TCLP
Barium	0.16	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	13		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.024		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	11	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	5.4		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.024	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.097	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.033		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.45		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.019	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0069	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.022	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.34	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.7		0.57	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	29		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.55		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	30	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	41000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	370		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.79		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2900		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100		57	7.6	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.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6) (Continued)

Lab Sample ID: 500-102889-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	69		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.79		0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.010	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.13	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	20	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.030		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.059		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	25		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.026		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	11	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.41		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.044		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	9.7		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.042		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.21	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.035		0.018	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	8.11		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0078	J	0.039	0.0070	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.020	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0083	J	0.039	0.0071	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.031	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.023	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.9		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	45		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	29	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	29000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	49000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	3700		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	670		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.58		0.50	0.050	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13) (Continued)

Lab Sample ID: 500-102889-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	410		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	36		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.5		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.062		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	8.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.049	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.093	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	1.2		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.2	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.065		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.5		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.053	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	7.96		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.019		0.019	0.0036	mg/Kg	1	☼	8260B	Total/NA
Phenanthrene	0.0055	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.52	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	10		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	49		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.66		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.36		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	34	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	37000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	390		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	55		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	3200		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	370		5.0	0.50	mg/L	1		6010B	TCLP
Cobalt	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.28		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	90		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	3.6		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6) (Continued)

Lab Sample ID: 500-102889-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.61	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.11		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.67		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0068		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	36	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.091		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.42		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	210		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.15		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	40	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.7		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.24		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	33		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.57	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0057		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.036		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.28		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.013	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0079	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.015	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.7		0.57	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	52		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.67		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.39		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	26	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	71000		110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	390		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	47		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	4000		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	880		57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.72		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	31		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.4		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13) (Continued)

Lab Sample ID: 500-102889-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	7.7		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.13	J	0.70	0.020	mg/L	1		6010B	TCLP
Barium	0.12	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.021	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	2.3		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.4	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.7		2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.65	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	7.99		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.020	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.020	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.026	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.26	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.4		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.73		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.36		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	23		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	30	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	40000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	550		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	52		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	4100		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1700		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	420		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	90		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.94		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.3		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.38	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.033	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.27	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	27	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.078		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.12		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5) (Continued)

Lab Sample ID: 500-102889-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	71		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.032		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	23	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.36		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	22		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.085		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.27	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.79		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.013	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.018	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.012	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.6		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	51		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	9.4		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	56000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	46		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	4100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1200		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.68		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	520		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	30		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.6		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	7.9		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.045	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.31	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	60	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.052		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.027		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.086		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	39		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.030		0.0075	0.0075	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10) (Continued)

Lab Sample ID: 500-102889-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	23	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.78		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.065		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	16		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.061		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.24	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Mercury	0.031		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.01		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0072	J	0.033	0.0045	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.020	J	0.033	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.013	J	0.033	0.0098	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.014	J	0.033	0.0090	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.018	J	0.033	0.0061	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0084	J	0.033	0.0046	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.018	J	0.033	0.0066	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.26	J	0.95	0.20	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.7		0.47	0.22	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.47	0.087	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.59		0.19	0.041	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.36		0.095	0.027	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.47	0.081	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.7		0.24	0.053	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.47	0.10	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		9.5	3.6	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.24	0.12	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		4.7	1.9	mg/Kg	1	☼	6010B	Total/NA
Calcium	42000		9.5	3.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	450		0.47	0.094	mg/Kg	1	☼	6010B	Total/NA
Nickel	25		0.47	0.13	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.24	0.069	mg/Kg	1	☼	6010B	Total/NA
Zinc	50		0.95	0.30	mg/Kg	1	☼	6010B	Total/NA
Potassium	3200		24	3.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900		47	6.2	mg/Kg	1	☼	6010B	Total/NA
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	460		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.28		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	22		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.20		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.88		0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.079		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.61		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0062		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	48	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.15		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3) (Continued)

Lab Sample ID: 500-102889-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.056		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.24		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	170		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.13		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	44	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.96		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	33		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.57	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0056		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.030		0.015	0.0053	mg/Kg	1	☼	7471B	Total/NA
pH	8.69		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.010	J	0.038	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.018	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.040		0.038	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.011	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.026	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.022	J	0.038	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0062	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.027	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.4		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.50		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.37		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	14	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	7.7		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	16000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	49000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	100000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	500		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	20		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	45		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	3100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1800		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	470		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.0		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.038	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.046	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup (Continued)

Lab Sample ID: 500-102889-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	31	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.077		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.035		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	84		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.058		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	24	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.49		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.091		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.78	B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0045		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.032		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.76		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.017	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.022	J	0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.8		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	48		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.76		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.41		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	21	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	28	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	46000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	390		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23		0.30	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	3900		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	480		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	32		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.79		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.063	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.064		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0045		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	52	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.046		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3) (Continued)

Lab Sample ID: 500-102889-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	110		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.064		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	35	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.63		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	28		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.37	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0062		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.041		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.46		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.011	J	0.041	0.0090	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.012	J	0.041	0.011	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.36	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.9		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	49		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.81		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.46		0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	22	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	29	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	23		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	28000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	51000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	420		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	25		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	4700		30	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	2500		59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	500		5.0	0.50	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	23		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.062		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.2		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.042	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.048	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	57	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.098		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	97		0.20	0.20	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3) (Continued)

Lab Sample ID: 500-102889-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.059		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	33	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.47		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	23		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.48	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0030		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.035		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.59		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0089	J	0.036	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	8.6		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	66		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.76		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.40		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	27	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	41000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	550		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	25		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	51		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	4200		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1800		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	500		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	29		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.38		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.5		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.36	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.046	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.39	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	29	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.088		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.028		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	92		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.045		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	24	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.38		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19		2.5	0.50	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3) (Continued)

Lab Sample ID: 500-102889-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.28	J B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0029		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.026		0.018	0.0063	mg/Kg	1	☼	7471B	Total/NA
pH	8.31		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B15 (0-3)

Lab Sample ID: 500-102889-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.37	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	12		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.79		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.43		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	10		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	32	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	25000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	39000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	470		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	25		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	53		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	3800		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	3100		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	340		5.0	0.50	mg/L	1		6010B	TCLP
Magnesium	66		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.044		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.6		2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.037	J	0.70	0.020	mg/L	1		6010B	TCLP
Arsenic	0.10		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.66		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0077		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	36	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.052		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	200		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.098		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	43	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.73		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	42		2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.21		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	2.1	B	0.70	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0061		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.035		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B15 (0-3) (Continued)

Lab Sample ID: 500-102889-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.22	J	0.58	0.19	mg/Kg	1	☒	9014	Total/NA
pH	8.48		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

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Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102889-18	2678-24-B01 (0-3)	Solid	10/21/15 13:20	10/22/15 08:55
500-102889-19	2678-24-B02 (0-3)	Solid	10/21/15 13:30	10/22/15 08:55
500-102889-20	2678-24-B03 (0-3)	Solid	10/21/15 13:40	10/22/15 08:55
500-102889-21	2678-24-B03 (0-3)Dup	Solid	10/21/15 13:45	10/22/15 08:55
500-102889-22	2678-24-B04 (0-3)	Solid	10/21/15 13:55	10/22/15 08:55
500-102889-23	2678-24-B05 (0-3)	Solid	10/21/15 14:05	10/22/15 08:55
500-102889-24	2678-24-B06 (0-3)	Solid	10/21/15 14:25	10/22/15 08:55
500-102889-25	2678-24-B07 (0-3)	Solid	10/21/15 14:35	10/22/15 08:55
500-102889-26	2678-24-B08 (0-6)	Solid	10/21/15 14:50	10/22/15 08:55
500-102889-27	2678-24-B08 (6-13)	Solid	10/21/15 14:55	10/22/15 08:55
500-102889-28	2678-24-B09 (0-6)	Solid	10/21/15 15:10	10/22/15 08:55
500-102889-29	2678-24-B09 (6-13)	Solid	10/21/15 15:15	10/22/15 08:55
500-102889-30	2678-24-B10 (0-5)	Solid	10/21/15 15:30	10/22/15 08:55
500-102889-31	2678-24-B10 (5-10)	Solid	10/21/15 15:35	10/22/15 08:55
500-102889-32	2678-24-B11 (0-3)	Solid	10/21/15 15:45	10/22/15 08:55
500-102889-33	2678-24-B11 (0-3)Dup	Solid	10/21/15 15:50	10/22/15 08:55
500-102889-34	2678-24-B12 (0-3)	Solid	10/21/15 16:00	10/22/15 08:55
500-102889-35	2678-24-B13 (0-3)	Solid	10/21/15 16:10	10/22/15 08:55
500-102889-36	2678-24-B14 (0-3)	Solid	10/21/15 16:20	10/22/15 08:55
500-102889-37	2678-24-B15 (0-3)	Solid	10/21/15 16:30	10/22/15 08:55

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Date Collected: 10/21/15 13:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Bromoform	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
2-Butanone (MEK)	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Chloroethane	<0.0046		0.0046	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Chloroform	<0.0046		0.0046	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,1-Dichloroethane	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,2-Dichloroethane	<0.0046		0.0046	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Ethylbenzene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Tetrachloroethene	<0.0046		0.0046	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Trichloroethene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 122	10/22/15 17:45	10/23/15 18:13	1
Dibromofluoromethane	105		75 - 120	10/22/15 17:45	10/23/15 18:13	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/22/15 17:45	10/23/15 18:13	1
Toluene-d8 (Surr)	100		75 - 122	10/22/15 17:45	10/23/15 18:13	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	☼	10/23/15 08:24	10/29/15 06:35	1
Acenaphthylene	<0.038	*	0.038	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Date Collected: 10/21/15 13:20

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Hexachlorobenzene	<0.077	*	0.077	0.0089	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Date Collected: 10/21/15 13:20

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.77		0.77	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Phenanthrene	0.035	J	0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Phenol	<0.19	*	0.19	0.085	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Pyrene	0.022	J	0.038	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119				10/23/15 08:24	10/29/15 06:35	1
2-Fluorophenol	85		25 - 110				10/23/15 08:24	10/29/15 06:35	1
Nitrobenzene-d5	81		25 - 115				10/23/15 08:24	10/29/15 06:35	1
Phenol-d5	86		31 - 110				10/23/15 08:24	10/29/15 06:35	1
Terphenyl-d14	150	X	36 - 134				10/23/15 08:24	10/29/15 06:35	1
2,4,6-Tribromophenol	98		35 - 137				10/23/15 08:24	10/29/15 06:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J	1.1	0.23	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Arsenic	8.3		0.54	0.25	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Barium	25		0.54	0.099	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Beryllium	0.52		0.22	0.047	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Cadmium	0.16		0.11	0.031	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Chromium	13	B	0.54	0.093	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Cobalt	13		0.27	0.061	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Copper	27	B	0.54	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Iron	16000		11	4.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Lead	13		0.27	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 20:02	1
Magnesium	29000		5.4	2.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Calcium	75000		110	35	mg/Kg	☼	10/22/15 17:41	10/24/15 20:09	10
Manganese	320		0.54	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Nickel	32		0.54	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Selenium	0.66		0.54	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Thallium	0.46	J	0.54	0.27	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Vanadium	15		0.27	0.079	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Zinc	54		1.1	0.34	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Potassium	1800		27	4.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	1
Sodium	2100		54	7.2	mg/Kg	☼	10/22/15 17:41	10/23/15 23:45	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		10/27/15 10:00	10/27/15 17:47	1
Barium	0.31	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 17:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 17:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Date Collected: 10/21/15 13:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Cobalt	0.026		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 17:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 17:47	1
Magnesium	31	F1	2.5	0.50	mg/L		10/27/15 10:00	10/27/15 17:47	1
Manganese	1.6	F1	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Nickel	0.037		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Potassium	4.2	F1	2.5	0.50	mg/L		10/27/15 10:00	10/27/15 17:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 17:47	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 17:47	1
Zinc	<0.70		0.70	0.020	mg/L		10/27/15 10:00	10/27/15 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	F1	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Barium	0.60	F1	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 21:33	1
Beryllium	0.0084		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 21:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 21:33	1
Calcium	74	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 21:33	1
Chromium	0.21	F1	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Cobalt	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Copper	0.32	F1	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Iron	150		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 21:33	1
Lead	0.14	F1	0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 21:33	1
Magnesium	68	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 21:33	1
Manganese	1.4	F1	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Nickel	0.30		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Potassium	46		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 21:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 21:33	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Vanadium	0.20		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 21:33	1
Zinc	0.50	J F1 B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 21:33	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		10/27/15 10:00	10/28/15 17:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:09	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 20:48	1
Thallium	0.0065		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B01 (0-3)

Lab Sample ID: 500-102889-18

Date Collected: 10/21/15 13:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.6

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		10/27/15 17:30	10/28/15 07:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0064	mg/Kg	☼	10/27/15 16:00	10/28/15 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:22	1
pH	9.27		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

Date Collected: 10/21/15 13:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	☼	10/22/15 17:45	10/23/15 18:38	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00073	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/22/15 17:45	10/23/15 18:38	1
Dibromofluoromethane	106		75 - 120	10/22/15 17:45	10/23/15 18:38	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/22/15 17:45	10/23/15 18:38	1
Toluene-d8 (Surr)	96		75 - 122	10/22/15 17:45	10/23/15 18:38	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	☼	10/23/15 08:24	10/28/15 23:04	1
Acenaphthylene	<0.037	*	0.037	0.0049	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

Date Collected: 10/21/15 13:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	0.0072	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Hexachlorobenzene	<0.075	*	0.075	0.0087	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
3-Nitroaniline	<0.37	*	0.37	0.12	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

Date Collected: 10/21/15 13:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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	☼	10/23/15 08:24	10/28/15 23:04	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Phenol	<0.19	*	0.19	0.083	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4,5-Trichlorophenol	<0.37	*	0.37	0.085	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/23/15 08:24	10/28/15 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	10/23/15 08:24	10/28/15 23:04	1
2-Fluorophenol	84		25 - 110	10/23/15 08:24	10/28/15 23:04	1
Nitrobenzene-d5	75		25 - 115	10/23/15 08:24	10/28/15 23:04	1
Phenol-d5	81		31 - 110	10/23/15 08:24	10/28/15 23:04	1
Terphenyl-d14	103		36 - 134	10/23/15 08:24	10/28/15 23:04	1
2,4,6-Tribromophenol	84		35 - 137	10/23/15 08:24	10/28/15 23:04	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	☼	10/22/15 17:41	10/23/15 23:50	1
Arsenic	12		0.56	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Barium	42		0.56	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Beryllium	0.70		0.22	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Chromium	16	B	0.56	0.097	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Cobalt	10		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Copper	29	B	0.56	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Iron	23000		11	4.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Lead	15		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 20:16	1
Magnesium	21000		5.6	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Calcium	48000		11	3.6	mg/Kg	☼	10/22/15 17:41	10/24/15 20:16	1
Manganese	240		0.56	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Nickel	32		0.56	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Selenium	0.37	J	0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Vanadium	20		0.28	0.082	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Zinc	69		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Potassium	2100		28	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1
Sodium	1200		56	7.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:50	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Barium	0.36	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 18:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 18:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 18:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

Date Collected: 10/21/15 13:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	480		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 18:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 18:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 18:24	1
Magnesium	24		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:24	1
Manganese	0.34		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Potassium	3.4		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 18:24	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:24	1
Zinc	0.035	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Barium	0.71		0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:00	1
Beryllium	0.0085		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:00	1
Calcium	87	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:00	1
Chromium	0.21		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Cobalt	0.059		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Copper	0.27		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Iron	240		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:00	1
Lead	0.12		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:00	1
Magnesium	66	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:00	1
Manganese	0.98		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Nickel	0.24		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Potassium	43		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:00	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Vanadium	0.23		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:00	1
Zinc	2.5	B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:00	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		10/27/15 10:00	10/28/15 17:25	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:15	1
Thallium	0.0044		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00026		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B02 (0-3)

Lab Sample ID: 500-102889-19

Date Collected: 10/21/15 13:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.2

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		10/27/15 17:30	10/28/15 07:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:22	1
pH	8.60		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Date Collected: 10/21/15 13:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0042	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Benzene	<0.0054		0.0054	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Bromodichloromethane	<0.0054		0.0054	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Bromoform	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
2-Butanone (MEK)	<0.0054		0.0054	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Carbon disulfide	<0.0054		0.0054	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Carbon tetrachloride	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Chlorobenzene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Chloroethane	<0.0054		0.0054	0.0023	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Chloroform	<0.0054		0.0054	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Chloromethane	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
cis-1,2-Dichloroethene	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
cis-1,3-Dichloropropene	<0.0054		0.0054	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Dibromochloromethane	<0.0054		0.0054	0.00062	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,1-Dichloroethane	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,2-Dichloroethane	<0.0054		0.0054	0.00080	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,1-Dichloroethene	<0.0054		0.0054	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,2-Dichloropropane	<0.0054		0.0054	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,3-Dichloropropene, Total	<0.0054		0.0054	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Ethylbenzene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Methylene Chloride	<0.0054		0.0054	0.0041	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
4-Methyl-2-pentanone (MIBK)	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Methyl tert-butyl ether	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Styrene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,1,2,2-Tetrachloroethane	<0.0054		0.0054	0.00085	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Tetrachloroethene	<0.0054		0.0054	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Toluene	<0.0054		0.0054	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
trans-1,2-Dichloroethene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
trans-1,3-Dichloropropene	<0.0054		0.0054	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,1,1-Trichloroethane	<0.0054		0.0054	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
1,1,2-Trichloroethane	<0.0054		0.0054	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Trichloroethene	<0.0054		0.0054	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Vinyl acetate	<0.0054		0.0054	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Vinyl chloride	<0.0054		0.0054	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 122	10/22/15 17:45	10/23/15 19:02	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 19:02	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 19:02	1
Toluene-d8 (Surr)	97		75 - 122	10/22/15 17:45	10/23/15 19:02	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	☼	10/23/15 08:24	10/28/15 23:32	1
Acenaphthylene	<0.038	*	0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Date Collected: 10/21/15 13:40

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Hexachlorobenzene	<0.077	*	0.077	0.0089	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Date Collected: 10/21/15 13:40

Matrix: Solid

Date Received: 10/22/15 08:55

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	0.37	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Phenol	<0.19	*	0.19	0.085	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.088	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/28/15 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		25 - 119	10/23/15 08:24	10/28/15 23:32	1
2-Fluorophenol	104		25 - 110	10/23/15 08:24	10/28/15 23:32	1
Nitrobenzene-d5	85		25 - 115	10/23/15 08:24	10/28/15 23:32	1
Phenol-d5	95		31 - 110	10/23/15 08:24	10/28/15 23:32	1
Terphenyl-d14	98		36 - 134	10/23/15 08:24	10/28/15 23:32	1
2,4,6-Tribromophenol	105		35 - 137	10/23/15 08:24	10/28/15 23:32	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	☼	10/22/15 17:41	10/23/15 23:55	1
Arsenic	6.2		0.56	0.26	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Barium	36		0.56	0.10	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Beryllium	0.63		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Cadmium	0.22		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Chromium	16	B	0.56	0.097	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Cobalt	11		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Copper	25	B	0.56	0.12	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Iron	17000		11	4.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Lead	11		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 20:29	1
Magnesium	22000		5.6	2.3	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Calcium	46000		11	3.6	mg/Kg	☼	10/22/15 17:41	10/24/15 20:29	1
Manganese	260		0.56	0.11	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Nickel	32		0.56	0.15	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Vanadium	17		0.28	0.082	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Zinc	59		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Potassium	2100		28	4.6	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	1
Sodium	1700		56	7.4	mg/Kg	☼	10/22/15 17:41	10/23/15 23:55	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		10/27/15 10:00	10/27/15 18:46	1
Barium	0.31	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 18:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 18:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 18:46	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Date Collected: 10/21/15 13:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	460		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 18:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Copper	0.012	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 18:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 18:46	1
Magnesium	25		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:46	1
Manganese	0.36		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Potassium	3.4		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 18:46	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:46	1
Zinc	0.78		0.70	0.020	mg/L		10/27/15 10:00	10/27/15 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Barium	0.48	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:07	1
Beryllium	0.0057		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:07	1
Calcium	59	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:07	1
Chromium	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Cobalt	0.042		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Copper	0.18		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Iron	140		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:07	1
Lead	0.083		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:07	1
Magnesium	42	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:07	1
Manganese	0.59		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Nickel	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Potassium	34		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:07	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Vanadium	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:07	1
Zinc	0.41	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:07	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		10/27/15 10:00	10/28/15 17:29	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:29	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:19	1
Thallium	0.0033		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)

Lab Sample ID: 500-102889-20

Date Collected: 10/21/15 13:40

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.8

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		10/27/15 17:30	10/28/15 07:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0066	mg/Kg	☼	10/27/15 16:00	10/28/15 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:22	1
pH	8.90		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Date Collected: 10/21/15 13:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Bromoform	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
2-Butanone (MEK)	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,1-Dichloroethane	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,2-Dichloroethane	<0.0046		0.0046	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Ethylbenzene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Tetrachloroethene	<0.0046		0.0046	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Trichloroethene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/22/15 17:45	10/23/15 19:27	1
Dibromofluoromethane	101		75 - 120	10/22/15 17:45	10/23/15 19:27	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/22/15 17:45	10/23/15 19:27	1
Toluene-d8 (Surr)	100		75 - 122	10/22/15 17:45	10/23/15 19:27	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	☼	10/23/15 08:24	10/29/15 00:00	1
Acenaphthylene	<0.038	*	0.038	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Date Collected: 10/21/15 13:45

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.30	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Hexachlorobenzene	<0.077	*	0.077	0.0088	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Date Collected: 10/21/15 13:45

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.77		0.77	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Phenol	<0.19	*	0.19	0.084	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	10/23/15 08:24	10/29/15 00:00	1
2-Fluorophenol	94		25 - 110	10/23/15 08:24	10/29/15 00:00	1
Nitrobenzene-d5	63		25 - 115	10/23/15 08:24	10/29/15 00:00	1
Phenol-d5	98		31 - 110	10/23/15 08:24	10/29/15 00:00	1
Terphenyl-d14	118		36 - 134	10/23/15 08:24	10/29/15 00:00	1
2,4,6-Tribromophenol	47		35 - 137	10/23/15 08:24	10/29/15 00:00	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	☼	10/22/15 17:41	10/24/15 00:00	1
Arsenic	6.8		0.57	0.26	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Barium	19		0.57	0.10	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Beryllium	0.49		0.23	0.049	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Cadmium	0.21		0.11	0.033	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Chromium	12	B	0.57	0.098	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Cobalt	8.8		0.28	0.064	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Copper	28	B	0.57	0.12	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Iron	16000		11	4.4	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Lead	17		0.28	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 20:43	1
Magnesium	27000		5.7	2.3	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Calcium	50000		11	3.7	mg/Kg	☼	10/22/15 17:41	10/24/15 20:43	1
Manganese	290		0.57	0.11	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Nickel	27		0.57	0.15	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Selenium	0.45	J	0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Vanadium	13		0.28	0.083	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Zinc	66		1.1	0.36	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Potassium	1600		28	4.6	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	1
Sodium	1400		57	7.5	mg/Kg	☼	10/22/15 17:41	10/24/15 00:00	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		10/27/15 10:00	10/27/15 18:53	1
Barium	0.23	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 18:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 18:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 18:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Date Collected: 10/21/15 13:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 18:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Copper	0.010	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 18:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 18:53	1
Magnesium	58		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:53	1
Manganese	0.73		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Potassium	3.6		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 18:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 18:53	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 18:53	1
Zinc	0.034	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Barium	0.31	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:14	1
Calcium	43	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:14	1
Chromium	0.083		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Cobalt	0.028		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Copper	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Iron	82		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:14	1
Lead	0.041		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:14	1
Magnesium	27	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:14	1
Manganese	0.42		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Nickel	0.11		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Potassium	22		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:14	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Vanadium	0.094		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:14	1
Zinc	0.58	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:14	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		10/27/15 10:00	10/28/15 17:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:33	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:23	1
Thallium	0.0021		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B03 (0-3)Dup

Lab Sample ID: 500-102889-21

Date Collected: 10/21/15 13:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 86.2

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		10/27/15 17:30	10/28/15 07:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041	F1	0.017	0.0059	mg/Kg	☼	10/27/15 16:00	10/28/15 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:23	1
pH	8.88		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Date Collected: 10/21/15 13:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.028		0.020	0.0039	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1
Xylenes, Total	<0.010		0.010	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 122	10/22/15 17:45	10/23/15 19:51	1
Dibromofluoromethane	100		75 - 120	10/22/15 17:45	10/23/15 19:51	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/22/15 17:45	10/23/15 19:51	1
Toluene-d8 (Surr)	96		75 - 122	10/22/15 17:45	10/23/15 19:51	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	☼	10/23/15 08:24	10/29/15 00:28	1
Acenaphthylene	<0.038	*	0.038	0.0050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Date Collected: 10/21/15 13:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4-Bromophenyl phenyl ether	<0.19	*	0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Hexachlorobenzene	<0.077	*	0.077	0.0089	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Date Collected: 10/21/15 13:55

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.77		0.77	0.36	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Phenol	<0.19	*	0.19	0.085	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4,5-Trichlorophenol	<0.38	*	0.38	0.087	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/23/15 08:24	10/29/15 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		25 - 119	10/23/15 08:24	10/29/15 00:28	1
2-Fluorophenol	97		25 - 110	10/23/15 08:24	10/29/15 00:28	1
Nitrobenzene-d5	81		25 - 115	10/23/15 08:24	10/29/15 00:28	1
Phenol-d5	95		31 - 110	10/23/15 08:24	10/29/15 00:28	1
Terphenyl-d14	112		36 - 134	10/23/15 08:24	10/29/15 00:28	1
2,4,6-Tribromophenol	103		35 - 137	10/23/15 08:24	10/29/15 00:28	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	☼	10/22/15 17:41	10/24/15 00:05	1
Arsenic	7.7		0.58	0.27	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Barium	46		0.58	0.11	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Beryllium	0.69		0.23	0.050	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Cadmium	0.29		0.12	0.034	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Chromium	17	B	0.58	0.10	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Cobalt	20		0.29	0.066	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Copper	25	B	0.58	0.13	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Iron	20000		12	4.5	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Lead	14		0.29	0.14	mg/Kg	☼	10/22/15 17:41	10/24/15 21:12	1
Magnesium	20000		5.8	2.4	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Calcium	42000		12	3.7	mg/Kg	☼	10/22/15 17:41	10/24/15 21:12	1
Manganese	420		0.58	0.12	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Nickel	40		0.58	0.16	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Selenium	0.42	J	0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Thallium	0.50	J	0.58	0.29	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Vanadium	18		0.29	0.085	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Zinc	60		1.2	0.37	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Potassium	2200		29	4.7	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	1
Sodium	1200		58	7.7	mg/Kg	☼	10/22/15 17:41	10/24/15 00:05	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		10/27/15 10:00	10/27/15 19:00	1
Barium	0.34	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Date Collected: 10/21/15 13:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 19:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:00	1
Magnesium	60		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:00	1
Manganese	1.4		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Potassium	4.0		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:00	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:00	1
Zinc	0.066	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.065		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Barium	0.47	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:20	1
Beryllium	0.0059		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:20	1
Calcium	65	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:20	1
Chromium	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Cobalt	0.052		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Copper	0.19		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Iron	150		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:20	1
Lead	0.097		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:20	1
Magnesium	46	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:20	1
Manganese	0.85		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Nickel	0.19		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Potassium	30		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:20	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Vanadium	0.15		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:20	1
Zinc	0.40	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:20	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		10/27/15 10:00	10/28/15 17:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:37	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:27	1
Thallium	0.0045		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B04 (0-3)

Lab Sample ID: 500-102889-22

Date Collected: 10/21/15 13:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.0

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		10/27/15 17:30	10/28/15 07:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.020	0.0070	mg/Kg	☼	10/27/15 16:00	10/28/15 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:23	1
pH	8.59		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Date Collected: 10/21/15 14:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Bromodichloromethane	<0.0048		0.0048	0.00082	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Bromoform	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Dibromochloromethane	<0.0048		0.0048	0.00056	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,1-Dichloroethane	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,2-Dichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Methylene Chloride	<0.0048		0.0048	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,1,1,2-Tetrachloroethane	<0.0048		0.0048	0.00077	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Vinyl chloride	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 122	10/22/15 17:45	10/23/15 20:16	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 20:16	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/22/15 17:45	10/23/15 20:16	1
Toluene-d8 (Surr)	99		75 - 122	10/22/15 17:45	10/23/15 20:16	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	☼	10/26/15 07:12	10/27/15 18:49	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Date Collected: 10/21/15 14:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 91.3

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	☼	10/26/15 07:12	10/27/15 18:49	1
Benzo[b]fluoranthene	<0.034	F1	0.034	0.0074	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Benzo[g,h,i]perylene	<0.034	F1	0.034	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Bis(2-ethylhexyl) phthalate	<0.17	F1	0.17	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Butyl benzyl phthalate	<0.17	F1	0.17	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Carbazole	<0.17		0.17	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Chrysene	0.013	J	0.034	0.0093	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
3,3'-Dichlorobenzidine	<0.17	F1	0.17	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4,6-Dinitro-2-methylphenol	<0.69	F1	0.69	0.28	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4-Dinitrophenol	<0.69	F1	0.69	0.60	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Hexachlorocyclopentadiene	<0.69	F1	0.69	0.20	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0089	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Methylnaphthalene	<0.034		0.034	0.0063	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
4-Nitroaniline	<0.34	F1	0.34	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Nitrobenzene	<0.034		0.034	0.0086	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Date Collected: 10/21/15 14:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 91.3

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	☼	10/26/15 07:12	10/27/15 18:49	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
Pyrene	0.0093	J F1	0.034	0.0068	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		25 - 119	10/26/15 07:12	10/27/15 18:49	1
2-Fluorophenol	108		25 - 110	10/26/15 07:12	10/27/15 18:49	1
Nitrobenzene-d5	108		25 - 115	10/26/15 07:12	10/27/15 18:49	1
Phenol-d5	100		31 - 110	10/26/15 07:12	10/27/15 18:49	1
Terphenyl-d14	176	X	36 - 134	10/26/15 07:12	10/27/15 18:49	1
2,4,6-Tribromophenol	87		35 - 137	10/26/15 07:12	10/27/15 18:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J F1	1.0	0.22	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Arsenic	14	F1	0.52	0.24	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Barium	36		0.52	0.095	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Beryllium	0.47		0.21	0.045	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Cadmium	0.28		0.10	0.030	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Chromium	12	B	0.52	0.090	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Cobalt	10		0.26	0.059	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Copper	37	F1 B	0.52	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Iron	21000		10	4.0	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Lead	15	F1	0.26	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Magnesium	25000	F2	5.2	2.1	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Calcium	39000	F2	10	3.4	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Manganese	410		0.52	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Nickel	25	F1	0.52	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Selenium	<0.52		0.52	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Silver	<0.26		0.26	0.061	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Thallium	<0.52		0.52	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 18:48	1
Vanadium	16		0.26	0.076	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Zinc	52	F1	1.0	0.33	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Potassium	2100	F1	26	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	1
Sodium	810		52	6.9	mg/Kg	☼	10/27/15 19:02	10/28/15 14:12	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		10/27/15 10:00	10/27/15 19:07	1
Barium	0.40	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Date Collected: 10/21/15 14:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 91.3

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		10/27/15 10:00	10/27/15 19:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Iron	0.25		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:07	1
Magnesium	110		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:07	1
Manganese	2.0		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Potassium	3.0		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:07	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:07	1
Zinc	0.028	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Barium	0.24	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:27	1
Beryllium	0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:27	1
Calcium	15	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:27	1
Chromium	0.079		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Cobalt	0.060		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Copper	0.20		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Iron	160		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:27	1
Lead	0.087		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:27	1
Magnesium	19	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:27	1
Manganese	0.87		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Nickel	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Potassium	20		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:27	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Vanadium	0.10		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:27	1
Zinc	0.44	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:27	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		10/27/15 10:00	10/28/15 17:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 17:56	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:31	1
Thallium	0.0071		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:53	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B05 (0-3)

Lab Sample ID: 500-102889-23

Date Collected: 10/21/15 14:05

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 91.3

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		10/27/15 17:30	10/28/15 08:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.016	0.0057	mg/Kg	☼	10/27/15 16:00	10/28/15 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:24	1
pH	8.57		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Date Collected: 10/21/15 14:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/22/15 17:45	10/23/15 20:41	1
Dibromofluoromethane	101		75 - 120	10/22/15 17:45	10/23/15 20:41	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/22/15 17:45	10/23/15 20:41	1
Toluene-d8 (Surr)	97		75 - 122	10/22/15 17:45	10/23/15 20:41	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	☼	10/26/15 07:12	10/27/15 11:13	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Date Collected: 10/21/15 14:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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	☼	10/26/15 07:12	10/27/15 11:13	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Date Collected: 10/21/15 14:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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	☼	10/26/15 07:12	10/27/15 11:13	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		25 - 119	10/26/15 07:12	10/27/15 11:13	1
2-Fluorophenol	102		25 - 110	10/26/15 07:12	10/27/15 11:13	1
Nitrobenzene-d5	97		25 - 115	10/26/15 07:12	10/27/15 11:13	1
Phenol-d5	92		31 - 110	10/26/15 07:12	10/27/15 11:13	1
Terphenyl-d14	97		36 - 134	10/26/15 07:12	10/27/15 11:13	1
2,4,6-Tribromophenol	87		35 - 137	10/26/15 07:12	10/27/15 11:13	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	☼	10/27/15 19:02	10/28/15 14:46	1
Arsenic	8.2		0.56	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Barium	68		0.56	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Beryllium	0.78		0.22	0.049	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Cadmium	0.29		0.11	0.032	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Chromium	21	B	0.56	0.096	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Cobalt	9.6		0.28	0.063	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Copper	28	B	0.56	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Iron	22000		11	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Lead	12		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Magnesium	23000		5.6	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Calcium	40000		11	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Manganese	430		0.56	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Nickel	28		0.56	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 19:12	1
Vanadium	25		0.28	0.082	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Zinc	47		1.1	0.35	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Potassium	3600		28	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	1
Sodium	1200		56	7.4	mg/Kg	☼	10/27/15 19:02	10/28/15 14:46	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		10/27/15 10:00	10/27/15 19:13	1
Barium	0.44	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Date Collected: 10/21/15 14:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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		10/27/15 10:00	10/27/15 19:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:13	1
Magnesium	78		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:13	1
Manganese	0.79		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Potassium	2.0	J	2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:13	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:13	1
Zinc	0.12	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Barium	0.34	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:34	1
Calcium	25	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:34	1
Chromium	0.093		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Cobalt	0.028		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Copper	0.10		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Iron	91		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:34	1
Lead	0.039		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:34	1
Magnesium	26	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:34	1
Manganese	0.50		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Nickel	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Potassium	19		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:34	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Vanadium	0.11		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:34	1
Zinc	0.21	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:34	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		10/27/15 10:00	10/28/15 18:00	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:00	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:35	1
Thallium	0.0032		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B06 (0-3)

Lab Sample ID: 500-102889-24

Date Collected: 10/21/15 14:25

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.6

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		10/27/15 17:30	10/28/15 08:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:24	1
pH	8.41		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Date Collected: 10/21/15 14:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 122	10/22/15 17:45	10/23/15 21:06	1
Dibromofluoromethane	106		75 - 120	10/22/15 17:45	10/23/15 21:06	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/22/15 17:45	10/23/15 21:06	1
Toluene-d8 (Surr)	99		75 - 122	10/22/15 17:45	10/23/15 21:06	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	☼	10/26/15 07:12	10/27/15 11:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Benzo[a]anthracene	0.0062	J	0.039	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Date Collected: 10/21/15 14:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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	☼	10/26/15 07:12	10/27/15 11:42	1
Benzo[b]fluoranthene	0.012	J	0.039	0.0085	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Chrysene	0.012	J	0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Fluoranthene	0.014	J	0.039	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Date Collected: 10/21/15 14:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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	☼	10/26/15 07:12	10/27/15 11:42	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Phenanthrene	0.0058	J	0.039	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
Pyrene	0.011	J	0.039	0.0078	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/26/15 07:12	10/27/15 11:42	1
2-Fluorophenol	97		25 - 110	10/26/15 07:12	10/27/15 11:42	1
Nitrobenzene-d5	94		25 - 115	10/26/15 07:12	10/27/15 11:42	1
Phenol-d5	91		31 - 110	10/26/15 07:12	10/27/15 11:42	1
Terphenyl-d14	94		36 - 134	10/26/15 07:12	10/27/15 11:42	1
2,4,6-Tribromophenol	83		35 - 137	10/26/15 07:12	10/27/15 11:42	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	☼	10/27/15 19:02	10/28/15 14:52	1
Arsenic	8.7		0.59	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Barium	120		0.59	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Beryllium	0.79		0.24	0.051	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Cadmium	0.33		0.12	0.034	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Chromium	20	B	0.59	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Cobalt	12		0.30	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Copper	31	B	0.59	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Iron	23000		12	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Lead	21		0.30	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Magnesium	13000		5.9	2.4	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Calcium	18000		12	3.8	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Manganese	430		0.59	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Nickel	27		0.59	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 19:17	1
Vanadium	27		0.30	0.086	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Zinc	58		1.2	0.37	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Potassium	2700		30	4.8	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1
Sodium	410		59	7.8	mg/Kg	☼	10/27/15 19:02	10/28/15 14:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Barium	0.31	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Date Collected: 10/21/15 14:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 19:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:20	1
Magnesium	110		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:20	1
Manganese	1.0		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Potassium	2.4 J		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:20	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:20	1
Zinc	<0.70		0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Barium	0.16 J		0.50	0.050	mg/L		10/27/15 11:00	10/27/15 22:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 22:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 22:57	1
Calcium	26 B		5.0	0.50	mg/L		10/27/15 11:00	10/27/15 22:57	1
Chromium	0.018 J		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Copper	0.032		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Iron	13		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 22:57	1
Lead	0.024		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 22:57	1
Magnesium	11 B		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:57	1
Manganese	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Nickel	0.020 J		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Potassium	5.4		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 22:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 22:57	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Vanadium	0.024 J		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 22:57	1
Zinc	0.097 J B		0.70	0.020	mg/L		10/27/15 11:00	10/27/15 22:57	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		10/27/15 10:00	10/28/15 18:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:04	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:39	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B07 (0-3)

Lab Sample ID: 500-102889-25

Date Collected: 10/21/15 14:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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		10/27/15 17:30	10/28/15 08:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.019	0.0066	mg/Kg	☼	10/27/15 16:00	10/28/15 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:25	1
pH	8.45		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Date Collected: 10/21/15 14:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,1,1,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 122	10/22/15 17:45	10/23/15 21:31	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 21:31	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/22/15 17:45	10/23/15 21:31	1
Toluene-d8 (Surr)	98		75 - 122	10/22/15 17:45	10/23/15 21:31	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	☼	10/26/15 07:12	10/27/15 17:52	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Date Collected: 10/21/15 14:50

Matrix: Solid

Date Received: 10/22/15 08:55

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	☼	10/26/15 07:12	10/27/15 17:52	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Chrysene	0.019	J	0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Date Collected: 10/21/15 14:50

Matrix: Solid

Date Received: 10/22/15 08:55

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	☼	10/26/15 07:12	10/27/15 17:52	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Phenanthrene	0.0069	J	0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
Pyrene	0.022	J	0.038	0.0076	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		25 - 119	10/26/15 07:12	10/27/15 17:52	1
2-Fluorophenol	102		25 - 110	10/26/15 07:12	10/27/15 17:52	1
Nitrobenzene-d5	96		25 - 115	10/26/15 07:12	10/27/15 17:52	1
Phenol-d5	93		31 - 110	10/26/15 07:12	10/27/15 17:52	1
Terphenyl-d14	134		36 - 134	10/26/15 07:12	10/27/15 17:52	1
2,4,6-Tribromophenol	79		35 - 137	10/26/15 07:12	10/27/15 17:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.1	0.24	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Arsenic	6.7		0.57	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Barium	29		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Beryllium	0.55		0.23	0.050	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Cadmium	0.26		0.11	0.033	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Chromium	16	B	0.57	0.099	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Cobalt	12		0.29	0.065	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Copper	30	B	0.57	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Iron	17000		11	4.4	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Lead	14		0.29	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Magnesium	26000		5.7	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Calcium	41000		11	3.7	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Manganese	370		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Nickel	29		0.57	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Thallium	0.79		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 19:22	1
Vanadium	18		0.29	0.084	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Zinc	51		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Potassium	2900		29	4.7	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	1
Sodium	1100		57	7.6	mg/Kg	☼	10/27/15 19:02	10/28/15 14:59	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		10/27/15 10:00	10/27/15 19:27	1
Barium	0.42	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Date Collected: 10/21/15 14:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.1

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		10/27/15 10:00	10/27/15 19:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Cobalt	0.023	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:27	1
Magnesium	69		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:27	1
Manganese	2.3		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Nickel	0.036		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Potassium	4.5		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:27	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:27	1
Zinc	0.79		0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Barium	0.13	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:03	1
Calcium	20	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:03	1
Chromium	0.030		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Cobalt	0.022	J	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Copper	0.059		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Iron	25		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:03	1
Lead	0.026		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:03	1
Magnesium	11	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:03	1
Manganese	0.41		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Nickel	0.044		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Potassium	9.7		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:03	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Vanadium	0.042		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:03	1
Zinc	0.21	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:03	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		10/27/15 10:00	10/28/15 18:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:08	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 08:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (0-6)

Lab Sample ID: 500-102889-26

Date Collected: 10/21/15 14:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.1

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		10/27/15 17:30	10/28/15 08:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0062	mg/Kg	☼	10/27/15 16:00	10/28/15 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:25	1
pH	8.11		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Date Collected: 10/21/15 14:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.9

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	☼	10/22/15 17:45	10/23/15 21:56	1
Benzene	<0.0043		0.0043	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Bromodichloromethane	<0.0043		0.0043	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Bromoform	<0.0043		0.0043	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Chloroform	<0.0043		0.0043	0.00083	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00087	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Dibromochloromethane	<0.0043		0.0043	0.00049	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,1-Dichloroethane	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,2-Dichloroethane	<0.0043		0.0043	0.00063	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,3-Dichloropropene, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Methylene Chloride	<0.0043		0.0043	0.0032	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00088	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Tetrachloroethene	<0.0043		0.0043	0.00089	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Vinyl acetate	<0.0043		0.0043	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/22/15 17:45	10/23/15 21:56	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 21:56	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/23/15 21:56	1
Toluene-d8 (Surr)	101		75 - 122	10/22/15 17:45	10/23/15 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0078	J	0.039	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Date Collected: 10/21/15 14:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.9

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	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Chrysene	0.020	J	0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Fluorene	<0.039		0.039	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Methylnaphthalene	0.0083	J	0.039	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Date Collected: 10/21/15 14:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.9

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	☼	10/26/15 07:12	10/27/15 18:21	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Phenanthrene	0.031	J	0.039	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
Pyrene	0.023	J	0.039	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	10/26/15 07:12	10/27/15 18:21	1
2-Fluorophenol	90		25 - 110	10/26/15 07:12	10/27/15 18:21	1
Nitrobenzene-d5	90		25 - 115	10/26/15 07:12	10/27/15 18:21	1
Phenol-d5	82		31 - 110	10/26/15 07:12	10/27/15 18:21	1
Terphenyl-d14	133		36 - 134	10/26/15 07:12	10/27/15 18:21	1
2,4,6-Tribromophenol	63		35 - 137	10/26/15 07:12	10/27/15 18:21	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	☼	10/27/15 19:02	10/28/15 15:22	1
Arsenic	8.9		0.57	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Barium	45		0.57	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Beryllium	0.65		0.23	0.050	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Cadmium	0.29		0.11	0.033	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Chromium	18	B	0.57	0.098	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Cobalt	12		0.29	0.065	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Copper	29	B	0.57	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Iron	20000		11	4.4	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Lead	13		0.29	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Magnesium	29000		5.7	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Calcium	49000		11	3.7	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Manganese	400		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Nickel	29		0.57	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 19:27	1
Vanadium	20		0.29	0.084	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Zinc	47		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Potassium	3700		29	4.7	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1
Sodium	670		57	7.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Barium	0.58		0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Date Collected: 10/21/15 14:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 19:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Cobalt	0.035		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Copper	0.018	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:34	1
Magnesium	36		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:34	1
Manganese	2.5		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Nickel	0.062		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Potassium	8.2		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:34	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:34	1
Zinc	0.049	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Barium	0.093	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:10	1
Calcium	24	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Copper	0.013	J	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Iron	1.2		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:10	1
Magnesium	6.2	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:10	1
Manganese	0.065		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Potassium	3.5		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:10	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:10	1
Zinc	0.053	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:10	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		10/27/15 10:00	10/28/15 18:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:46	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B08 (6-13)

Lab Sample ID: 500-102889-27

Date Collected: 10/21/15 14:55

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.9

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		10/27/15 17:30	10/28/15 08:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.018	0.0063	mg/Kg	☼	10/27/15 16:00	10/28/15 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:25	1
pH	7.96		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Date Collected: 10/21/15 15:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.019		0.019	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Bromodichloromethane	<0.0046		0.0046	0.00078	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Bromoform	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
2-Butanone (MEK)	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Carbon tetrachloride	<0.0046		0.0046	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Chloroform	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Dibromochloromethane	<0.0046		0.0046	0.00053	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,1-Dichloroethane	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,2-Dichloroethane	<0.0046		0.0046	0.00069	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,3-Dichloropropane, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Methylene Chloride	<0.0046		0.0046	0.0035	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00095	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Tetrachloroethene	<0.0046		0.0046	0.00096	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00090	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Trichloroethene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/22/15 17:45	10/23/15 22:20	1
Dibromofluoromethane	106		75 - 120	10/22/15 17:45	10/23/15 22:20	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/22/15 17:45	10/23/15 22:20	1
Toluene-d8 (Surr)	97		75 - 122	10/22/15 17:45	10/23/15 22:20	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	☼	10/26/15 07:12	10/27/15 15:01	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Date Collected: 10/21/15 15:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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	☼	10/26/15 07:12	10/27/15 15:01	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Date Collected: 10/21/15 15:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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	☼	10/26/15 07:12	10/27/15 15:01	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Phenanthrene	0.0055	J	0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
Pyrene	0.012	J	0.038	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/26/15 07:12	10/27/15 15:01	1
2-Fluorophenol	94		25 - 110	10/26/15 07:12	10/27/15 15:01	1
Nitrobenzene-d5	91		25 - 115	10/26/15 07:12	10/27/15 15:01	1
Phenol-d5	88		31 - 110	10/26/15 07:12	10/27/15 15:01	1
Terphenyl-d14	121		36 - 134	10/26/15 07:12	10/27/15 15:01	1
2,4,6-Tribromophenol	77		35 - 137	10/26/15 07:12	10/27/15 15:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.2	0.25	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Arsenic	10		0.59	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Barium	49		0.59	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Beryllium	0.66		0.24	0.051	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Cadmium	0.36		0.12	0.034	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Chromium	18	B	0.59	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Cobalt	12		0.30	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Copper	34	B	0.59	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Iron	22000		12	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Lead	18		0.30	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Magnesium	24000		5.9	2.4	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Calcium	37000		12	3.8	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Manganese	390		0.59	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Nickel	28		0.59	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 19:41	1
Vanadium	23		0.30	0.087	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Zinc	55		1.2	0.38	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Potassium	3200		30	4.8	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1
Sodium	1900		59	7.8	mg/Kg	☼	10/27/15 19:02	10/28/15 15:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Barium	0.51		0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Date Collected: 10/21/15 15:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 19:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Cobalt	0.014	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Copper	0.022	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Iron	0.28		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:40	1
Magnesium	90		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:40	1
Manganese	3.6		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Nickel	0.018	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Potassium	3.6		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:40	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:40	1
Zinc	0.61	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Barium	0.67		0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:17	1
Beryllium	0.0068		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:17	1
Calcium	36	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:17	1
Chromium	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Cobalt	0.091		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Copper	0.42		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Iron	210		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:17	1
Lead	0.15		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:17	1
Magnesium	40	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:17	1
Manganese	1.7		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Nickel	0.24		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Potassium	33		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:17	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Vanadium	0.20		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:17	1
Zinc	0.57	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:17	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		10/27/15 10:00	10/28/15 18:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:16	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 21:58	1
Thallium	0.0057		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (0-6)

Lab Sample ID: 500-102889-28

Date Collected: 10/21/15 15:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.8

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		10/27/15 17:30	10/28/15 08:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.017	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:25	1
pH	8.28		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Date Collected: 10/21/15 15:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1
Xylenes, Total	<0.010		0.010	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/22/15 17:45	10/23/15 22:45	1
Dibromofluoromethane	104		75 - 120	10/22/15 17:45	10/23/15 22:45	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/23/15 22:45	1
Toluene-d8 (Surr)	101		75 - 122	10/22/15 17:45	10/23/15 22:45	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	☼	10/26/15 07:12	10/27/15 15:30	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Date Collected: 10/21/15 15:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.7

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	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Chrysene	0.013	J	0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Methylnaphthalene	<0.038		0.038	0.0069	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Date Collected: 10/21/15 15:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.7

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	☼	10/26/15 07:12	10/27/15 15:30	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Phenanthrene	0.0079	J	0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
Pyrene	0.015	J	0.038	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	10/26/15 07:12	10/27/15 15:30	1
2-Fluorophenol	86		25 - 110	10/26/15 07:12	10/27/15 15:30	1
Nitrobenzene-d5	83		25 - 115	10/26/15 07:12	10/27/15 15:30	1
Phenol-d5	84		31 - 110	10/26/15 07:12	10/27/15 15:30	1
Terphenyl-d14	113		36 - 134	10/26/15 07:12	10/27/15 15:30	1
2,4,6-Tribromophenol	71		35 - 137	10/26/15 07:12	10/27/15 15:30	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	☼	10/27/15 19:02	10/28/15 15:35	1
Arsenic	6.7		0.57	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Barium	52		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Beryllium	0.67		0.23	0.050	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Cadmium	0.39		0.11	0.033	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Chromium	19	B	0.57	0.099	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Cobalt	10		0.29	0.065	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Copper	26	B	0.57	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Iron	20000		11	4.4	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Lead	12		0.29	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Magnesium	30000		5.7	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Calcium	71000		110	37	mg/Kg	☼	10/27/15 19:02	10/29/15 13:49	10
Manganese	390		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Nickel	26		0.57	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 19:46	1
Vanadium	22		0.29	0.084	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Zinc	47		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Potassium	4000		29	4.7	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	1
Sodium	880		57	7.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:35	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		10/27/15 10:00	10/27/15 19:47	1
Barium	0.72		0.50	0.050	mg/L		10/27/15 10:00	10/27/15 19:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 19:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 19:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Date Collected: 10/21/15 15:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 19:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Copper	0.017	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 19:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 19:47	1
Magnesium	31		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:47	1
Manganese	2.4		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Nickel	0.021	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Potassium	7.7		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 19:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 19:47	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 19:47	1
Zinc	0.13	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Barium	0.12	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:24	1
Calcium	26	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Copper	0.021	J	0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Iron	2.3		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:24	1
Magnesium	7.4	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:24	1
Manganese	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Potassium	3.7		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:24	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:24	1
Zinc	0.65	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:24	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		10/27/15 10:00	10/28/15 18:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:20	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:02	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:04	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B09 (6-13)

Lab Sample ID: 500-102889-29

Date Collected: 10/21/15 15:15

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 83.7

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		10/27/15 17:30	10/28/15 08:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0068	mg/Kg	☼	10/27/15 16:00	10/28/15 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:26	1
pH	7.99		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Date Collected: 10/21/15 15:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Chloromethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,1-Dichloroethane	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Tetrachloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 122	10/22/15 17:45	10/23/15 23:10	1
Dibromofluoromethane	106		75 - 120	10/22/15 17:45	10/23/15 23:10	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	10/22/15 17:45	10/23/15 23:10	1
Toluene-d8 (Surr)	101		75 - 122	10/22/15 17:45	10/23/15 23:10	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	☼	10/26/15 07:12	10/27/15 15:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Date Collected: 10/21/15 15:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.038		0.038	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Chrysene	0.020	J	0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Date Collected: 10/21/15 15:30

Matrix: Solid

Date Received: 10/22/15 08:55

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	☼	10/26/15 07:12	10/27/15 15:58	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Phenanthrene	0.020	J	0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
Pyrene	0.026	J	0.038	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		25 - 119	10/26/15 07:12	10/27/15 15:58	1
2-Fluorophenol	87		25 - 110	10/26/15 07:12	10/27/15 15:58	1
Nitrobenzene-d5	83		25 - 115	10/26/15 07:12	10/27/15 15:58	1
Phenol-d5	83		31 - 110	10/26/15 07:12	10/27/15 15:58	1
Terphenyl-d14	115		36 - 134	10/26/15 07:12	10/27/15 15:58	1
2,4,6-Tribromophenol	72		35 - 137	10/26/15 07:12	10/27/15 15:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.1	0.23	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Arsenic	8.4		0.55	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Barium	42		0.55	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Beryllium	0.73		0.22	0.048	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Cadmium	0.36		0.11	0.032	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Chromium	20	B	0.55	0.095	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Cobalt	23		0.28	0.062	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Copper	30	B	0.55	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Iron	21000		11	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Lead	15		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Magnesium	26000		5.5	2.2	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Calcium	40000		11	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Manganese	550		0.55	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Nickel	35		0.55	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 19:51	1
Vanadium	22		0.28	0.081	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Zinc	52		1.1	0.35	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Potassium	4100		28	4.5	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	1
Sodium	1700		55	7.3	mg/Kg	☼	10/27/15 19:02	10/28/15 15:42	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		10/27/15 10:00	10/27/15 20:10	1
Barium	0.37	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Date Collected: 10/21/15 15:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 20:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:10	1
Magnesium	90		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:10	1
Manganese	0.94		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Potassium	4.3		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:10	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:10	1
Zinc	0.38	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Barium	0.27	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:30	1
Calcium	27	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:30	1
Chromium	0.078		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Cobalt	0.027		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Copper	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Iron	71		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:30	1
Lead	0.032		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:30	1
Magnesium	23	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:30	1
Manganese	0.36		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Nickel	0.094		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Potassium	22		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:30	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Vanadium	0.085		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:30	1
Zinc	0.27	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:30	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		10/27/15 10:00	10/28/15 18:23	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:23	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:06	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (0-5)

Lab Sample ID: 500-102889-30

Date Collected: 10/21/15 15:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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		10/27/15 17:30	10/28/15 08:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:26	1
pH	8.79		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Date Collected: 10/21/15 15:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,2-Dichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00077	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1
Xylenes, Total	<0.0096		0.0096	0.0018	mg/Kg	☼	10/22/15 17:45	10/23/15 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 122	10/22/15 17:45	10/23/15 23:35	1
Dibromofluoromethane	105		75 - 120	10/22/15 17:45	10/23/15 23:35	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/23/15 23:35	1
Toluene-d8 (Surr)	98		75 - 122	10/22/15 17:45	10/23/15 23:35	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	☼	10/26/15 07:12	10/27/15 13:36	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Date Collected: 10/21/15 15:35

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.039		0.039	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Chrysene	0.013	J	0.039	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Methylnaphthalene	<0.039		0.039	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Date Collected: 10/21/15 15:35

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.78		0.78	0.37	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Phenanthrene	0.018	J	0.039	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		25 - 119				10/26/15 07:12	10/27/15 13:36	1
2-Fluorophenol	81		25 - 110				10/26/15 07:12	10/27/15 13:36	1
Nitrobenzene-d5	82		25 - 115				10/26/15 07:12	10/27/15 13:36	1
Phenol-d5	80		31 - 110				10/26/15 07:12	10/27/15 13:36	1
Terphenyl-d14	95		36 - 134				10/26/15 07:12	10/27/15 13:36	1
2,4,6-Tribromophenol	70		35 - 137				10/26/15 07:12	10/27/15 13:36	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	☼	10/27/15 19:02	10/28/15 15:49	1
Arsenic	5.6		0.57	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Barium	51		0.57	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Beryllium	0.70		0.23	0.049	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Cadmium	0.29		0.11	0.033	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Chromium	20	B	0.57	0.097	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Cobalt	10		0.28	0.064	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Copper	25	B	0.57	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Iron	19000		11	4.4	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Lead	9.4		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Magnesium	30000		5.7	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Calcium	56000		11	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Manganese	400		0.57	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Nickel	26		0.57	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Selenium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 19:56	1
Vanadium	23		0.28	0.083	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Zinc	46		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Potassium	4100		28	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	1
Sodium	1200		57	7.5	mg/Kg	☼	10/27/15 19:02	10/28/15 15:49	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		10/27/15 10:00	10/27/15 20:17	1
Barium	0.68		0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Date Collected: 10/21/15 15:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	520		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 20:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Copper	0.014	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:17	1
Magnesium	30		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:17	1
Manganese	2.6		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Nickel	0.015	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Potassium	7.9		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:17	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:17	1
Zinc	0.045	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Barium	0.31	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:37	1
Calcium	60	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:37	1
Chromium	0.052		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Cobalt	0.027		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Copper	0.086		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Iron	39		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:37	1
Lead	0.030		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:37	1
Magnesium	23	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:37	1
Manganese	0.78		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Nickel	0.065		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Potassium	16		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:37	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Vanadium	0.061		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:37	1
Zinc	0.24	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:37	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		10/27/15 10:00	10/28/15 18:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B10 (5-10)

Lab Sample ID: 500-102889-31

Date Collected: 10/21/15 15:35

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 85.0

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		10/27/15 17:30	10/28/15 08:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:26	1
pH	8.01		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Date Collected: 10/21/15 15:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 97.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0031	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Benzene	<0.0040		0.0040	0.00088	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Bromodichloromethane	<0.0040		0.0040	0.00067	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Bromoform	<0.0040		0.0040	0.00081	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
2-Butanone (MEK)	<0.0040		0.0040	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Carbon disulfide	<0.0040		0.0040	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Carbon tetrachloride	<0.0040		0.0040	0.00085	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Chlorobenzene	<0.0040		0.0040	0.00094	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Chloroethane	<0.0040		0.0040	0.0017	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Chloroform	<0.0040		0.0040	0.00078	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Chloromethane	<0.0040		0.0040	0.00096	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
cis-1,2-Dichloroethene	<0.0040		0.0040	0.00081	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
cis-1,3-Dichloropropene	<0.0040		0.0040	0.00091	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Dibromochloromethane	<0.0040		0.0040	0.00046	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,1-Dichloroethane	<0.0040		0.0040	0.00082	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,2-Dichloroethane	<0.0040		0.0040	0.00059	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,1-Dichloroethene	<0.0040		0.0040	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,2-Dichloropropane	<0.0040		0.0040	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,3-Dichloropropane, Total	<0.0040		0.0040	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Ethylbenzene	<0.0040		0.0040	0.00099	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Methylene Chloride	<0.0040		0.0040	0.0030	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.00082	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Methyl tert-butyl ether	<0.0040		0.0040	0.00094	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Styrene	<0.0040		0.0040	0.00093	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,1,2,2-Tetrachloroethane	<0.0040		0.0040	0.00063	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Tetrachloroethene	<0.0040		0.0040	0.00083	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Toluene	<0.0040		0.0040	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
trans-1,2-Dichloroethene	<0.0040		0.0040	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
trans-1,3-Dichloropropene	<0.0040		0.0040	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,1,1-Trichloroethane	<0.0040		0.0040	0.00092	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
1,1,2-Trichloroethane	<0.0040		0.0040	0.00077	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Trichloroethene	<0.0040		0.0040	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Vinyl acetate	<0.0040		0.0040	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Vinyl chloride	<0.0040		0.0040	0.00095	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1
Xylenes, Total	<0.0080		0.0080	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/22/15 17:45	10/27/15 10:41	1
Dibromofluoromethane	96		75 - 120	10/22/15 17:45	10/27/15 10:41	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/22/15 17:45	10/27/15 10:41	1
Toluene-d8 (Surr)	114		75 - 122	10/22/15 17:45	10/27/15 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.033		0.033	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Anthracene	<0.033		0.033	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Benzo[a]anthracene	0.0072	J	0.033	0.0045	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Date Collected: 10/21/15 15:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 97.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Benzo[b]fluoranthene	0.020	J	0.033	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Benzo[k]fluoranthene	0.013	J	0.033	0.0098	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Carbazole	<0.17		0.17	0.083	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Chrysene	0.014	J	0.033	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
1,4-Dichlorobenzene	<0.17		0.17	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Di-n-butyl phthalate	<0.17		0.17	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.27	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4-Dinitrophenol	<0.67		0.67	0.58	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Fluoranthene	0.018	J	0.033	0.0061	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Fluorene	<0.033		0.033	0.0047	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Hexachloroethane	<0.17		0.17	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Isophorone	<0.17		0.17	0.037	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Methylnaphthalene	<0.033		0.033	0.0061	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2-Nitrophenol	<0.33		0.33	0.078	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Date Collected: 10/21/15 15:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 97.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
N-Nitrosodi-n-propylamine	<0.17		0.17	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.038	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Phenanthrene	0.0084	J	0.033	0.0046	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Phenol	<0.17		0.17	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Pyrene	0.018	J	0.033	0.0066	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg	☼	10/26/15 07:12	10/27/15 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119				10/26/15 07:12	10/27/15 16:27	1
2-Fluorophenol	90		25 - 110				10/26/15 07:12	10/27/15 16:27	1
Nitrobenzene-d5	87		25 - 115				10/26/15 07:12	10/27/15 16:27	1
Phenol-d5	86		31 - 110				10/26/15 07:12	10/27/15 16:27	1
Terphenyl-d14	119		36 - 134				10/26/15 07:12	10/27/15 16:27	1
2,4,6-Tribromophenol	72		35 - 137				10/26/15 07:12	10/27/15 16:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	0.95	0.20	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Arsenic	7.7		0.47	0.22	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Barium	41		0.47	0.087	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Beryllium	0.59		0.19	0.041	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Cadmium	0.36		0.095	0.027	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Chromium	16	B	0.47	0.081	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Cobalt	9.7		0.24	0.053	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Copper	24	B	0.47	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Iron	18000		9.5	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Lead	15		0.24	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Magnesium	24000		4.7	1.9	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Calcium	42000		9.5	3.0	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Manganese	450		0.47	0.094	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Nickel	25		0.47	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Selenium	<0.47		0.47	0.23	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Silver	<0.24		0.24	0.055	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Thallium	<0.47		0.47	0.23	mg/Kg	☼	10/27/15 19:02	10/28/15 20:01	1
Vanadium	21		0.24	0.069	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Zinc	50		0.95	0.30	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Potassium	3200		24	3.9	mg/Kg	☼	10/27/15 19:02	10/28/15 15:56	1
Sodium	1900		47	6.2	mg/Kg	☼	10/27/15 19:02	10/28/15 20:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Barium	0.39	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Date Collected: 10/21/15 15:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 97.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	460		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 20:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Copper	0.015	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Iron	0.28		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:23	1
Magnesium	22		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:23	1
Manganese	0.20		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Potassium	3.2		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:23	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:23	1
Zinc	0.88		0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.079		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Barium	0.61		0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:44	1
Beryllium	0.0062		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:44	1
Calcium	48	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:44	1
Chromium	0.15		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Cobalt	0.056		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Copper	0.24		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Iron	170		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:44	1
Lead	0.13		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:44	1
Magnesium	44	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:44	1
Manganese	0.96		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Nickel	0.21		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Potassium	33		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:44	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Vanadium	0.16		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:44	1
Zinc	0.57	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:44	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		10/27/15 10:00	10/28/15 18:31	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:31	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:14	1
Thallium	0.0056		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)

Lab Sample ID: 500-102889-32

Date Collected: 10/21/15 15:45

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 97.8

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		10/27/15 17:30	10/28/15 08:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.015	0.0053	mg/Kg	☼	10/27/15 16:00	10/28/15 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.48		0.48	0.16	mg/Kg	☼	10/26/15 15:50	10/26/15 22:27	1
pH	8.69		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Date Collected: 10/21/15 15:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0034	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Benzene	<0.0044		0.0044	0.00098	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Bromodichloromethane	<0.0044		0.0044	0.00075	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Bromoform	<0.0044		0.0044	0.00090	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Carbon tetrachloride	<0.0044		0.0044	0.00095	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Chloroethane	<0.0044		0.0044	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Chloroform	<0.0044		0.0044	0.00086	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00090	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Dibromochloromethane	<0.0044		0.0044	0.00051	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,1-Dichloroethane	<0.0044		0.0044	0.00091	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,2-Dichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,2-Dichloropropane	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00091	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Tetrachloroethene	<0.0044		0.0044	0.00092	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00086	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Vinyl chloride	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 122	10/22/15 17:45	10/27/15 11:06	1
Dibromofluoromethane	103		75 - 120	10/22/15 17:45	10/27/15 11:06	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/22/15 17:45	10/27/15 11:06	1
Toluene-d8 (Surr)	114		75 - 122	10/22/15 17:45	10/27/15 11:06	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	☼	10/26/15 07:12	10/27/15 16:55	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Benzo[a]anthracene	0.010	J	0.038	0.0052	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Date Collected: 10/21/15 15:50

Matrix: Solid

Date Received: 10/22/15 08:55

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	0.018	J	0.038	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Benzo[b]fluoranthene	0.040		0.038	0.0084	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Benzo[k]fluoranthene	0.011	J	0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Chrysene	0.026	J	0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Fluoranthene	0.022	J	0.038	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2-Nitrophenol	<0.38		0.38	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Date Collected: 10/21/15 15:50

Matrix: Solid

Date Received: 10/22/15 08:55

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	<0.78		0.78	0.37	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Phenanthrene	0.0062	J	0.038	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
Pyrene	0.027	J	0.038	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119	10/26/15 07:12	10/27/15 16:55	1
2-Fluorophenol	89		25 - 110	10/26/15 07:12	10/27/15 16:55	1
Nitrobenzene-d5	88		25 - 115	10/26/15 07:12	10/27/15 16:55	1
Phenol-d5	82		31 - 110	10/26/15 07:12	10/27/15 16:55	1
Terphenyl-d14	125		36 - 134	10/26/15 07:12	10/27/15 16:55	1
2,4,6-Tribromophenol	76		35 - 137	10/26/15 07:12	10/27/15 16:55	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	☼	10/27/15 19:02	10/28/15 16:02	1
Arsenic	6.4		0.56	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Barium	33		0.56	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Beryllium	0.50		0.22	0.049	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Cadmium	0.37		0.11	0.032	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Chromium	14	B	0.56	0.097	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Cobalt	7.7		0.28	0.063	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Copper	23	B	0.56	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Iron	16000		11	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Lead	14		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Magnesium	49000		5.6	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Calcium	100000		110	36	mg/Kg	☼	10/27/15 19:02	10/29/15 13:53	10
Manganese	500		0.56	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Nickel	20		0.56	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 20:06	1
Vanadium	16		0.28	0.082	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Zinc	45		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Potassium	3100		28	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	1
Sodium	1800		56	7.4	mg/Kg	☼	10/27/15 19:02	10/28/15 16:02	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		10/27/15 10:00	10/27/15 20:30	1
Barium	0.37	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Date Collected: 10/21/15 15:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	470		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 20:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:30	1
Magnesium	34		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:30	1
Manganese	1.0		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Potassium	3.2		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:30	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:30	1
Zinc	0.038	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Barium	0.33	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:51	1
Calcium	31	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:51	1
Chromium	0.077		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Cobalt	0.035		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Copper	0.13		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Iron	84		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:51	1
Lead	0.058		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:51	1
Magnesium	24	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:51	1
Manganese	0.49		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Nickel	0.11		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Potassium	21		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:51	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Vanadium	0.091		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:51	1
Zinc	0.78	B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:51	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		10/27/15 10:00	10/28/15 18:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:43	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:18	1
Thallium	0.0045		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B11 (0-3)Dup

Lab Sample ID: 500-102889-33

Date Collected: 10/21/15 15:50

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 84.7

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		10/27/15 17:30	10/28/15 08:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:28	1
pH	8.76		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Date Collected: 10/21/15 16:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Bromoform	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Chloroform	<0.0048		0.0048	0.00094	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Chloromethane	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00098	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Dibromochloromethane	<0.0048		0.0048	0.00056	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,1-Dichloroethane	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,2-Dichloroethane	<0.0048		0.0048	0.00072	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,1-Dichloroethene	<0.0048		0.0048	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,3-Dichloropropane, Total	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00099	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00077	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Tetrachloroethene	<0.0048		0.0048	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00093	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	10/22/15 17:45	10/27/15 11:31	1
Dibromofluoromethane	99		75 - 120	10/22/15 17:45	10/27/15 11:31	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/22/15 17:45	10/27/15 11:31	1
Toluene-d8 (Surr)	114		75 - 122	10/22/15 17:45	10/27/15 11:31	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	☼	10/26/15 07:12	10/27/15 17:24	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Date Collected: 10/21/15 16:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 81.8

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	☼	10/26/15 07:12	10/27/15 17:24	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Chrysene	0.017	J	0.040	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Methylnaphthalene	<0.040		0.040	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Date Collected: 10/21/15 16:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 81.8

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	☼	10/26/15 07:12	10/27/15 17:24	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
Pyrene	0.022	J	0.040	0.0079	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		25 - 119	10/26/15 07:12	10/27/15 17:24	1
2-Fluorophenol	92		25 - 110	10/26/15 07:12	10/27/15 17:24	1
Nitrobenzene-d5	84		25 - 115	10/26/15 07:12	10/27/15 17:24	1
Phenol-d5	85		31 - 110	10/26/15 07:12	10/27/15 17:24	1
Terphenyl-d14	123		36 - 134	10/26/15 07:12	10/27/15 17:24	1
2,4,6-Tribromophenol	71		35 - 137	10/26/15 07:12	10/27/15 17:24	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	☼	10/27/15 19:02	10/28/15 16:09	1
Arsenic	8.8		0.59	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Barium	48		0.59	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Beryllium	0.76		0.24	0.051	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Cadmium	0.41		0.12	0.034	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Chromium	21	B	0.59	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Cobalt	11		0.30	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Copper	28	B	0.59	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Iron	22000		12	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Lead	13		0.30	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Magnesium	26000		5.9	2.4	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Calcium	46000		12	3.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Manganese	390		0.59	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Nickel	30		0.59	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 20:12	1
Vanadium	23		0.30	0.086	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Zinc	53		1.2	0.37	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Potassium	3900		30	4.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1
Sodium	1400		59	7.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Barium	0.34	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:37	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Date Collected: 10/21/15 16:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	480		5.0	0.50	mg/L		10/27/15 10:00	10/27/15 20:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:37	1
Magnesium	32		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:37	1
Manganese	0.79		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Potassium	4.5		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:37	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:37	1
Zinc	0.063	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Barium	0.39	J	0.50	0.050	mg/L		10/27/15 11:00	10/27/15 23:57	1
Beryllium	0.0045		0.0040	0.0040	mg/L		10/27/15 11:00	10/27/15 23:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/27/15 23:57	1
Calcium	52	B	5.0	0.50	mg/L		10/27/15 11:00	10/27/15 23:57	1
Chromium	0.11		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Cobalt	0.046		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Copper	0.14		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Iron	110		0.20	0.20	mg/L		10/27/15 11:00	10/27/15 23:57	1
Lead	0.064		0.0075	0.0075	mg/L		10/27/15 11:00	10/27/15 23:57	1
Magnesium	35	B	2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:57	1
Manganese	0.63		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Nickel	0.14		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Potassium	28		2.5	0.50	mg/L		10/27/15 11:00	10/27/15 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/27/15 23:57	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Vanadium	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/27/15 23:57	1
Zinc	0.37	J B	0.70	0.020	mg/L		10/27/15 11:00	10/27/15 23:57	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		10/27/15 10:00	10/28/15 18:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:47	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:22	1
Thallium	0.0062		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B12 (0-3)

Lab Sample ID: 500-102889-34

Date Collected: 10/21/15 16:00

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 81.8

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		10/27/15 17:30	10/28/15 08:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/26/15 15:50	10/26/15 22:28	1
pH	8.46		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Date Collected: 10/21/15 16:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 77.7

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	☼	10/22/15 17:45	10/27/15 11:56	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Bromodichloromethane	<0.0049		0.0049	0.00083	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Chloroethane	<0.0049		0.0049	0.0021	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Chloroform	<0.0049		0.0049	0.00096	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00078	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00095	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122	10/22/15 17:45	10/27/15 11:56	1
Dibromofluoromethane	99		75 - 120	10/22/15 17:45	10/27/15 11:56	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/22/15 17:45	10/27/15 11:56	1
Toluene-d8 (Surr)	116		75 - 122	10/22/15 17:45	10/27/15 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Date Collected: 10/21/15 16:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Benzo[b]fluoranthene	0.011	J	0.041	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Chrysene	0.012	J	0.041	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Methylnaphthalene	<0.041		0.041	0.0076	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Date Collected: 10/21/15 16:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Phenanthrene	<0.041		0.041	0.0058	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		25 - 119	10/26/15 07:12	10/27/15 12:10	1
2-Fluorophenol	87		25 - 110	10/26/15 07:12	10/27/15 12:10	1
Nitrobenzene-d5	81		25 - 115	10/26/15 07:12	10/27/15 12:10	1
Phenol-d5	82		31 - 110	10/26/15 07:12	10/27/15 12:10	1
Terphenyl-d14	91		36 - 134	10/26/15 07:12	10/27/15 12:10	1
2,4,6-Tribromophenol	77		35 - 137	10/26/15 07:12	10/27/15 12:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.2	0.25	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Arsenic	9.9		0.59	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Barium	49		0.59	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Beryllium	0.81		0.24	0.051	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Cadmium	0.46		0.12	0.034	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Chromium	22	B	0.59	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Cobalt	12		0.30	0.067	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Copper	29	B	0.59	0.13	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Iron	23000		12	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Lead	23		0.30	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Magnesium	28000		5.9	2.4	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Calcium	51000		12	3.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Manganese	420		0.59	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Nickel	31		0.59	0.16	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Silver	<0.30		0.30	0.069	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 19:02	10/28/15 20:17	1
Vanadium	25		0.30	0.087	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Zinc	53		1.2	0.38	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Potassium	4700		30	4.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	1
Sodium	2500		59	7.8	mg/Kg	☼	10/27/15 19:02	10/28/15 16:16	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		10/27/15 10:00	10/27/15 20:44	1
Barium	0.37	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Date Collected: 10/21/15 16:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 77.7

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		10/27/15 10:00	10/27/15 20:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Copper	0.015	J	0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:44	1
Magnesium	23		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:44	1
Manganese	0.062		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Potassium	3.2		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:44	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:44	1
Zinc	0.042	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Barium	0.39	J	0.50	0.050	mg/L		10/27/15 11:00	10/28/15 00:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/28/15 00:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/28/15 00:20	1
Calcium	57	B	5.0	0.50	mg/L		10/27/15 11:00	10/28/15 00:20	1
Chromium	0.098		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Cobalt	0.032		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Copper	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Iron	97		0.20	0.20	mg/L		10/27/15 11:00	10/28/15 00:20	1
Lead	0.059		0.0075	0.0075	mg/L		10/27/15 11:00	10/28/15 00:20	1
Magnesium	33	B	2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:20	1
Manganese	0.47		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Nickel	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Potassium	23		2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/28/15 00:20	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Vanadium	0.11		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:20	1
Zinc	0.48	J B	0.70	0.020	mg/L		10/27/15 11:00	10/28/15 00:20	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		10/27/15 10:00	10/28/15 18:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:51	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:26	1
Thallium	0.0030		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B13 (0-3)

Lab Sample ID: 500-102889-35

Date Collected: 10/21/15 16:10

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 77.7

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		10/27/15 17:30	10/28/15 08:27	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/26/15 15:50	10/26/15 22:28	1
pH	8.59		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Date Collected: 10/21/15 16:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0034	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Benzene	<0.0044		0.0044	0.00098	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Bromodichloromethane	<0.0044		0.0044	0.00075	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Bromoform	<0.0044		0.0044	0.00090	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
2-Butanone (MEK)	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Carbon disulfide	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Carbon tetrachloride	<0.0044		0.0044	0.00095	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Chlorobenzene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Chloroethane	<0.0044		0.0044	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Chloroform	<0.0044		0.0044	0.00086	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Chloromethane	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
cis-1,2-Dichloroethene	<0.0044		0.0044	0.00090	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
cis-1,3-Dichloropropene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Dibromochloromethane	<0.0044		0.0044	0.00051	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,1-Dichloroethane	<0.0044		0.0044	0.00091	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,2-Dichloroethane	<0.0044		0.0044	0.00066	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,1-Dichloroethene	<0.0044		0.0044	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,2-Dichloropropane	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,3-Dichloropropane, Total	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Ethylbenzene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Methylene Chloride	<0.0044		0.0044	0.0033	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.00091	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Methyl tert-butyl ether	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Styrene	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,1,2,2-Tetrachloroethane	<0.0044		0.0044	0.00070	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Tetrachloroethene	<0.0044		0.0044	0.00092	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Toluene	<0.0044		0.0044	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
trans-1,2-Dichloroethene	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
trans-1,3-Dichloropropene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,1,1-Trichloroethane	<0.0044		0.0044	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
1,1,2-Trichloroethane	<0.0044		0.0044	0.00086	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Trichloroethene	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Vinyl acetate	<0.0044		0.0044	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Vinyl chloride	<0.0044		0.0044	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1
Xylenes, Total	<0.0088		0.0088	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	10/22/15 17:45	10/27/15 12:21	1
Dibromofluoromethane	97		75 - 120	10/22/15 17:45	10/27/15 12:21	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/22/15 17:45	10/27/15 12:21	1
Toluene-d8 (Surr)	116		75 - 122	10/22/15 17:45	10/27/15 12:21	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	☼	10/26/15 07:12	10/27/15 12:39	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Date Collected: 10/21/15 16:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 88.1

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	☼	10/26/15 07:12	10/27/15 12:39	1
Benzo[b]fluoranthene	0.0089	J	0.036	0.0078	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Hexachlorobenzene	<0.073		0.073	0.0083	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Methylnaphthalene	<0.036		0.036	0.0066	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Date Collected: 10/21/15 16:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 88.1

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	☼	10/26/15 07:12	10/27/15 12:39	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/26/15 07:12	10/27/15 12:39	1
2-Fluorophenol	97		25 - 110	10/26/15 07:12	10/27/15 12:39	1
Nitrobenzene-d5	95		25 - 115	10/26/15 07:12	10/27/15 12:39	1
Phenol-d5	90		31 - 110	10/26/15 07:12	10/27/15 12:39	1
Terphenyl-d14	94		36 - 134	10/26/15 07:12	10/27/15 12:39	1
2,4,6-Tribromophenol	77		35 - 137	10/26/15 07:12	10/27/15 12:39	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	☼	10/27/15 19:02	10/28/15 16:23	1
Arsenic	8.6		0.55	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Barium	66		0.55	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Beryllium	0.76		0.22	0.048	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Cadmium	0.40		0.11	0.032	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Chromium	20	B	0.55	0.095	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Cobalt	11		0.28	0.062	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Copper	27	B	0.55	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Iron	21000		11	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Lead	12		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Magnesium	24000		5.5	2.2	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Calcium	41000		11	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Manganese	550		0.55	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Nickel	29		0.55	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 19:02	10/28/15 20:22	1
Vanadium	25		0.28	0.081	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Zinc	51		1.1	0.35	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Potassium	4200		28	4.5	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	1
Sodium	1800		55	7.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:23	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		10/27/15 10:00	10/27/15 20:50	1
Barium	0.51		0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Date Collected: 10/21/15 16:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 88.1

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		10/27/15 10:00	10/27/15 20:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:50	1
Magnesium	29		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:50	1
Manganese	0.38		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Potassium	3.5		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:50	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:50	1
Zinc	0.36	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Barium	0.39	J	0.50	0.050	mg/L		10/27/15 11:00	10/28/15 00:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 11:00	10/28/15 00:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/28/15 00:27	1
Calcium	29	B	5.0	0.50	mg/L		10/27/15 11:00	10/28/15 00:27	1
Chromium	0.088		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Cobalt	0.028		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Copper	0.12		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Iron	92		0.20	0.20	mg/L		10/27/15 11:00	10/28/15 00:27	1
Lead	0.045		0.0075	0.0075	mg/L		10/27/15 11:00	10/28/15 00:27	1
Magnesium	24	B	2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:27	1
Manganese	0.38		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Nickel	0.10		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Potassium	19		2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/28/15 00:27	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Vanadium	0.10		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:27	1
Zinc	0.28	J B	0.70	0.020	mg/L		10/27/15 11:00	10/28/15 00:27	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		10/27/15 10:00	10/28/15 18:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:55	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:29	1
Thallium	0.0029		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:26	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B14 (0-3)

Lab Sample ID: 500-102889-36

Date Collected: 10/21/15 16:20

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 88.1

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		10/27/15 17:30	10/28/15 08:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0063	mg/Kg	☼	10/27/15 16:00	10/28/15 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.53		0.53	0.18	mg/Kg	☼	10/26/15 15:50	10/26/15 22:29	1
pH	8.31		0.200	0.200	SU			10/28/15 13:06	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B15 (0-3)

Lab Sample ID: 500-102889-37

Date Collected: 10/21/15 16:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0040	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Benzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Bromodichloromethane	<0.0052		0.0052	0.00088	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Bromoform	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Bromomethane	<0.0052		0.0052	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
2-Butanone (MEK)	<0.0052		0.0052	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Carbon disulfide	<0.0052		0.0052	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Carbon tetrachloride	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Chlorobenzene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Chloroethane	<0.0052		0.0052	0.0022	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Chloroform	<0.0052		0.0052	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Chloromethane	<0.0052		0.0052	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
cis-1,2-Dichloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
cis-1,3-Dichloropropene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Dibromochloromethane	<0.0052		0.0052	0.00060	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,1-Dichloroethane	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,2-Dichloroethane	<0.0052		0.0052	0.00077	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,1-Dichloroethene	<0.0052		0.0052	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,2-Dichloropropane	<0.0052		0.0052	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,3-Dichloropropane, Total	<0.0052		0.0052	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Ethylbenzene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Methylene Chloride	<0.0052		0.0052	0.0039	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
4-Methyl-2-pentanone (MIBK)	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Methyl tert-butyl ether	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Styrene	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,1,2,2-Tetrachloroethane	<0.0052		0.0052	0.00083	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Tetrachloroethene	<0.0052		0.0052	0.0011	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Toluene	<0.0052		0.0052	0.0018	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
trans-1,2-Dichloroethene	<0.0052		0.0052	0.0013	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
trans-1,3-Dichloropropene	<0.0052		0.0052	0.0015	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,1,1-Trichloroethane	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
1,1,2-Trichloroethane	<0.0052		0.0052	0.0010	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Trichloroethene	<0.0052		0.0052	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Vinyl acetate	<0.0052		0.0052	0.0014	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Vinyl chloride	<0.0052		0.0052	0.0012	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/22/15 17:45	10/27/15 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122	10/22/15 17:45	10/27/15 12:46	1
Dibromofluoromethane	94		75 - 120	10/22/15 17:45	10/27/15 12:46	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/22/15 17:45	10/27/15 12:46	1
Toluene-d8 (Surr)	110		75 - 122	10/22/15 17:45	10/27/15 12:46	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	☼	10/26/15 07:12	10/27/15 13:07	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B15 (0-3)

Lab Sample ID: 500-102889-37

Date Collected: 10/21/15 16:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.9

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	☼	10/26/15 07:12	10/27/15 13:07	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B15 (0-3)

Lab Sample ID: 500-102889-37

Date Collected: 10/21/15 16:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.9

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	☼	10/26/15 07:12	10/27/15 13:07	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/26/15 07:12	10/27/15 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		25 - 119	10/26/15 07:12	10/27/15 13:07	1
2-Fluorophenol	84		25 - 110	10/26/15 07:12	10/27/15 13:07	1
Nitrobenzene-d5	81		25 - 115	10/26/15 07:12	10/27/15 13:07	1
Phenol-d5	83		31 - 110	10/26/15 07:12	10/27/15 13:07	1
Terphenyl-d14	93		36 - 134	10/26/15 07:12	10/27/15 13:07	1
2,4,6-Tribromophenol	77		35 - 137	10/26/15 07:12	10/27/15 13:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.1	0.23	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Arsenic	12		0.56	0.26	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Barium	53		0.56	0.10	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Beryllium	0.79		0.23	0.049	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Cadmium	0.43		0.11	0.033	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Chromium	20	B	0.56	0.097	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Cobalt	10		0.28	0.064	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Copper	32	B	0.56	0.12	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Iron	25000		11	4.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Lead	16		0.28	0.14	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Calcium	39000		11	3.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Manganese	470		0.56	0.11	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Nickel	28		0.56	0.15	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 19:02	10/28/15 20:27	1
Vanadium	25		0.28	0.082	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Zinc	53		1.1	0.36	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Potassium	3800		28	4.6	mg/Kg	☼	10/27/15 19:02	10/28/15 16:45	1
Sodium	3100		56	7.4	mg/Kg	☼	10/27/15 19:02	10/28/15 20:27	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Barium	0.44	J	0.50	0.050	mg/L		10/27/15 10:00	10/27/15 20:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/27/15 10:00	10/27/15 20:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 10:00	10/27/15 20:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
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TestAmerica Job ID: 500-102889-3

Client Sample ID: 2678-24-B15 (0-3)

Lab Sample ID: 500-102889-37

Date Collected: 10/21/15 16:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.9

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		10/27/15 10:00	10/27/15 20:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Copper	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Iron	<0.20		0.20	0.20	mg/L		10/27/15 10:00	10/27/15 20:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/27/15 10:00	10/27/15 20:57	1
Magnesium	66		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:57	1
Manganese	0.044		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Potassium	3.6		2.5	0.50	mg/L		10/27/15 10:00	10/27/15 20:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 10:00	10/27/15 20:57	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Vanadium	<0.025		0.025	0.010	mg/L		10/27/15 10:00	10/27/15 20:57	1
Zinc	0.037	J	0.70	0.020	mg/L		10/27/15 10:00	10/27/15 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Barium	0.66		0.50	0.050	mg/L		10/27/15 11:00	10/28/15 00:34	1
Beryllium	0.0077		0.0040	0.0040	mg/L		10/27/15 11:00	10/28/15 00:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/27/15 11:00	10/28/15 00:34	1
Calcium	36	B	5.0	0.50	mg/L		10/27/15 11:00	10/28/15 00:34	1
Chromium	0.18		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Cobalt	0.052		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Copper	0.26		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Iron	200		0.20	0.20	mg/L		10/27/15 11:00	10/28/15 00:34	1
Lead	0.098		0.0075	0.0075	mg/L		10/27/15 11:00	10/28/15 00:34	1
Magnesium	43	B	2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:34	1
Manganese	0.73		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Nickel	0.21		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Potassium	42		2.5	0.50	mg/L		10/27/15 11:00	10/28/15 00:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/27/15 11:00	10/28/15 00:34	1
Silver	<0.025		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Vanadium	0.21		0.025	0.010	mg/L		10/27/15 11:00	10/28/15 00:34	1
Zinc	2.1	B	0.70	0.020	mg/L		10/27/15 11:00	10/28/15 00:34	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		10/27/15 10:00	10/28/15 18:58	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/27/15 10:00	10/28/15 18:58	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		10/27/15 11:00	10/28/15 22:33	1
Thallium	0.0061		0.0020	0.0020	mg/L		10/27/15 11:00	10/28/15 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/27/15 17:30	10/28/15 09:28	1

TestAmerica Chicago

Client Sample Results

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TestAmerica Job ID: 500-102889-3

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Lab Sample ID: 500-102889-37

Date Collected: 10/21/15 16:30

Matrix: Solid

Date Received: 10/22/15 08:55

Percent Solids: 82.9

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		10/27/15 17:30	10/28/15 08:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.22	J	0.58	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:11	1
pH	8.48		0.200	0.200	SU			10/28/15 13:06	1



Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

Qualifiers

GC/MS Semi VOA

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

Metals

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

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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102889-3

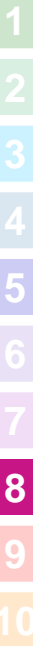
Laboratory: TestAmerica Chicago

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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

Report To (optional) _____
 Contact: Matt Weiss
 Company: Terralon
 Address: 135 Ambassador Dr.
 Address: Naperville, IL 60540
 Phone: 630-717-9263
 Fax: 630-357-9489
 E-Mail: Matt.weiss@terralon.com

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

Chain of Custody Record

Lab Job #: 500-102889
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		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
Project Name		Lab Project #		Matrix														
Project Location/State		Lab Project #																
Sampler		Lab PM																
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers	Matrix											Comments
		Date	Time															
18		2678-24-B01 (0-3)	10/21/15	1:20	6	S	VOCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19		2678-24-B02 (0-3)	10/21/15	1:30	6	S	SVOCs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20		2678-24-B03 (0-3)	10/21/15	1:40	6	S	Total 24 Inorganics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
21		2678-24-B03 (0-3) Dup	10/21/15	1:45	6	S	TCLP 24 Inorganics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
22		2678-24-B04 (0-3)	10/21/15	1:55	6	S	SPLP 24 Inorganics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
23		2678-24-B05 (0-3)	10/21/15	2:05	6	S	pH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
24		2678-24-B06 (0-3)	10/21/15	2:25	6	S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
25		2678-24-B07 (0-3)	10/21/15	2:35	6	S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
26		2678-24-B08 (0-6)	10/21/15	2:50	6	S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
27		2678-24-B08 (0-13)	10/21/15	2:55	6	S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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 <u>Chad Kelly</u>	Company <u>Terralon</u>	Date <u>10/21/15</u>	Time <u>7:45</u>	Received By <u>David Phillips</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0745</u>
Relinquished By <u>David Phillips</u>	Company <u>TA</u>	Date <u>10/22/15</u>	Time <u>0855</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CART</u>	Date <u>10/22/15</u>	Time <u>0855</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: Please meet IL TACO requirements and please do NOT run Aluminum analysis. Thank you.

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 125 Ambassador Dr.
Naperville, IL 60540
Phone: 630-217-4263
Fax: 630-357-9489
E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102889

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Total 24 Inorganics		TCLP 24 Inorganics		SPLP 24 Inorganics		pH		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
Project Name		Lab Project #		Project Location/State		Lab Project #		Sampler		Lab PM		Date		Time		
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix	VOCS	SVOCs	Total 24 Inorganics	TCLP 24 Inorganics	SPLP 24 Inorganics	pH			
28		2678-24-B09 (0-6)		10/21/15	3:10	6	S	✓	✓	✓	✓	✓	✓			
29		2678-24-B09 (6-13)		10/21/15	3:15	6	S	✓	✓	✓	✓	✓	✓			
30		2678-24-B10 (0-5)		10/21/15	3:30	6	S	✓	✓	✓	✓	✓	✓			
31		2678-24-B10 (5-10)		10/21/15	3:35	6	S	✓	✓	✓	✓	✓	✓			
32		2678-24-B11 (0-3)		10/21/15	3:45	6	S	✓	✓	✓	✓	✓	✓			
33		2678-24-B11 (0-3) Dup		10/21/15	3:50	6	S	✓	✓	✓	✓	✓	✓			
34		2678-24-B12 (0-3)		10/21/15	4:00	6	S	✓	✓	✓	✓	✓	✓			
35		2678-24-B13 (0-3)		10/21/15	4:10	6	S	✓	✓	✓	✓	✓	✓			
36		2678-24-B14 (0-3)		10/21/15	4:20	6	S	✓	✓	✓	✓	✓	✓			
37		2678-24-B15 (0-3)		10/21/15	4:30	6	S	✓	✓	✓	✓	✓	✓			

Turnaround Time Required (Business Days)

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

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 <u>Chad Kelly</u> Company <u>Terracon</u> Date <u>10/22/15</u> Time <u>7:45</u>	Received By <u>David Williams</u> Company <u>TA</u> Date <u>10/22/15</u> Time <u>0745</u>
Relinquished By <u>David Williams</u> Company <u>TA</u> Date <u>10/22/15</u> Time <u>0855</u>	Received By <u>Shirley Hottel</u> Company <u>TA-CHL</u> Date <u>10/22/15</u> Time <u>0835</u>

Lab Courier: TA
Shipped: _____
Hand Delivered: _____

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

Client Comments
Please meet IL TACO Requirements.
and please do NOT run Aluminum analysis.
Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-102889-3

Login Number: 102889

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2,2.7,2.9,3.4
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.	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").	True	
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: 500-102977-1

Client Project/Site: IDOT - Schaumburg - WO 03

For:

Terracon Consulting Eng & Scientists

135 Ambassador Drive

Naperville, Illinois 60540

Attn: Mr. Matthew Weiss

Jodie Bracken

Authorized for release by:

11/4/2015 4:45:57 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?



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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Job ID: 500-102977-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-102977-1

Comments

No additional comments.

Receipt

The samples were received on 10/23/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 2.8° C and 3.2° C.

Receipt Exceptions

Poured off and preserved for Cyanide in login for samples 19 & 32

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 laboratory control sample duplicate (LCS) for batch 500-309951 recovered outside control limits for the following analyte: 2-Nitrophenol. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.(LCS 500-309951/2-A)

Method(s) 8270D: The following samples contained one base/neutral surrogate outside acceptance limits: 2678-24-B16 (0-6) (500-102977-1), 2678-24-B18 (0-3) (500-102977-4), 2678-24-B20 (0-3) (500-102977-6), 2678-24-B21 (0-3) (500-102977-7), 2678-24-B22 (0-3) (500-102977-8), 2678-24-B22 (0-3) Dup (500-102977-9), 2678-24-B23 (0-3) (500-102977-10), 2678-24-B24 (0-3) (500-102977-11), 2678-24-B25 (0-3) (500-102977-12) and 2678-24-B27 (0-3) (500-102977-14). The laboratory's SOP allows one acid and one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

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

Metals

Method(s) 6010B: The interference check standard solution (ICSA) associated with Analytical batch 500-310185 had results for Cadmium above the reporting limit (RL). Associated sample 2678-24-B16 (0-6) (500-102977-1), 2678-24-B16 (6-13) (500-102977-2), 2678-24-B17 (0-3) (500-102977-3), 2678-24-B18 (0-3) (500-102977-4), 2678-24-B19 (0-3) (500-102977-5), 2678-24-B20 (0-3) (500-102977-6), 2678-24-B21 (0-3) (500-102977-7), 2678-24-B22 (0-3) (500-102977-8), 2678-24-B22 (0-3) Dup (500-102977-9), 2678-24-B23 (0-3) (500-102977-10), 2678-24-B24 (0-3) (500-102977-11), 2678-24-B25 (0-3) (500-102977-12), 2678-24-B26 (0-3) (500-102977-13), 2678-24-B27 (0-3) (500-102977-14), 2678-24-B28 (0-3) (500-102977-15), 2678-24-B29 (0-3) (500-102977-16), 2678-24-B30 (0-3) (500-102977-17) and 2678-24-B31 (0-3) (500-102977-18) were non-detects for Cadmium, therefore the data has been reported.

Method(s) 6010B: The continuing calibration verification (CCV) at line 40 was outside the control limits for Beryllium bracketing the method blank (MB) and laboratory control sample (LCS). The MB and LCS was within the method control limits. The associated samples 2678-24-B16 (6-13) (500-102977-2), 2678-24-B17 (0-3) (500-102977-3), 2678-24-B18 (0-3) (500-102977-4), 2678-24-B19 (0-3) (500-102977-5), 2678-24-B20 (0-3) (500-102977-6), 2678-24-B21 (0-3) (500-102977-7), 2678-24-B22 (0-3) (500-102977-8), 2678-24-B22 (0-3) Dup (500-102977-9), 2678-24-B23 (0-3) (500-102977-10), 2678-24-B24 (0-3) (500-102977-11), 2678-24-B25 (0-3) (500-102977-12), 2678-24-B26 (0-3) (500-102977-13), 2678-24-B27 (0-3) (500-102977-14), 2678-24-B28 (0-3) (500-102977-15), 2678-24-B29 (0-3) (500-102977-16), 2678-24-B30 (0-3) (500-102977-17) and 2678-24-B31 (0-3) (500-102977-18) were bracketed with continuing calibration verifications that were within control limits, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low level (ICVL) result for batch 500-311071 was above the upper control limit for Sb at 134% Rec. The samples bracket, by this ICVL results, were non-detects, and have been reported as qualified data. The samples affected were 500-102977-1-18 tcpls.

Method(s) 6020A: The initial calibration verification low level (ICVL) result for batch 500-311071 was above the upper control limit for Sb at 124%rec. The affected samples were bracketed by CCVL within control limits. Sample results were non-detects, and have been reported as qualified data.

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Job ID: 500-102977-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

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.

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Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzofluoranthene	0.018	J	0.040	0.0086	mg/Kg	1		☼	8270D	Total/NA
Fluoranthene	0.0080	J	0.040	0.0074	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.027	J	0.040	0.0079	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.32	J F1	1.2	0.25	mg/Kg	1		☼	6010B	Total/NA
Arsenic	7.3		0.61	0.28	mg/Kg	1		☼	6010B	Total/NA
Barium	64	F1	0.61	0.11	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.80		0.24	0.053	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.39	B	0.12	0.035	mg/Kg	1		☼	6010B	Total/NA
Chromium	20	B	0.61	0.10	mg/Kg	1		☼	6010B	Total/NA
Cobalt	17		0.30	0.069	mg/Kg	1		☼	6010B	Total/NA
Copper	27	B	0.61	0.13	mg/Kg	1		☼	6010B	Total/NA
Iron	22000		12	4.7	mg/Kg	1		☼	6010B	Total/NA
Lead	20	F1 F2	0.30	0.15	mg/Kg	1		☼	6010B	Total/NA
Magnesium	6900		6.1	2.5	mg/Kg	1		☼	6010B	Total/NA
Calcium	6200		12	3.9	mg/Kg	1		☼	6010B	Total/NA
Manganese	470	F2	0.61	0.12	mg/Kg	1		☼	6010B	Total/NA
Nickel	37		0.61	0.17	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.44	J F1	0.61	0.30	mg/Kg	1		☼	6010B	Total/NA
Vanadium	19		0.30	0.089	mg/Kg	1		☼	6010B	Total/NA
Zinc	79	F1	1.2	0.39	mg/Kg	1		☼	6010B	Total/NA
Potassium	2100	F1	30	5.0	mg/Kg	1		☼	6010B	Total/NA
Sodium	1900	B F1	61	8.0	mg/Kg	1		☼	6010B	Total/NA
Barium	0.37	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	220		2.5	0.50	mg/L	1			6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.31		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.33	F1	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.0	J B	2.5	0.50	mg/L	1			6010B	TCLP
Arsenic	0.12		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.66		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0069		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	28	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.18		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.068		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.25		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	240		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.13		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	43	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.79		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.25		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	24	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.18		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.57	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0039		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.043		0.018	0.0063	mg/Kg	1		☼	7471B	Total/NA
pH	7.40		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13) (Continued)

Lab Sample ID: 500-102977-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.022	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.0080	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.012	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.020	J	0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.058		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.010	J	0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.36	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.8		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	65000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		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	18		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2700		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	360	B	55	7.3	mg/Kg	1	☼	6010B	Total/NA
Barium	0.47	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0020	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	490		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.026		0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	24		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.071		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	5.5	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.078	J	0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.075	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.79		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	6.4	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.065		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.4	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.27	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.030		0.018	0.0064	mg/Kg	1	☼	7471B	Total/NA
pH	7.93		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0082	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.020	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3) (Continued)

Lab Sample ID: 500-102977-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.011	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.015	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.026	J	0.039	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	9.0		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	53		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.34	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	32		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	11000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	16000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	290		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.60		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	27		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	67		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	2900	B	56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	330		2.5	0.50	mg/L	1		6010B	TCLP
Copper	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.64		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	61		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.96		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.3	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	1.0		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.089		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.64		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0059		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	44	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.069		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	190		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	36	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.23		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.52	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0038		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.031		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
Cyanide, Total	0.19	J	0.58	0.19	mg/Kg	1	☼	9014	Total/NA
pH	8.65		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	10		0.56	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	67		0.56	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.95		0.22	0.049	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.27	B	0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	22	B	0.56	0.096	mg/Kg	1		☼	6010B	Total/NA
Cobalt	18		0.28	0.063	mg/Kg	1		☼	6010B	Total/NA
Copper	30	B	0.56	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	26000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	20		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	5200		5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	1800		11	3.6	mg/Kg	1		☼	6010B	Total/NA
Manganese	260		0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	45		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.46	J	0.56	0.28	mg/Kg	1		☼	6010B	Total/NA
Vanadium	25		0.28	0.082	mg/Kg	1		☼	6010B	Total/NA
Zinc	73		1.1	0.35	mg/Kg	1		☼	6010B	Total/NA
Potassium	2400		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	1900	B	56	7.4	mg/Kg	1		☼	6010B	Total/NA
Barium	0.40	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	210		2.5	0.50	mg/L	1			6010B	TCLP
Cobalt	0.019	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.33		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	66		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	10		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	1.9	J B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.059	J	0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.099		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	1.1		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0099		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	44	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.24		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.090		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.28		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	250		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.32		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	40	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	2.7		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.26		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	39	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.36		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.73	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0047		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.034		0.020	0.0070	mg/Kg	1		☼	7471B	Total/NA
pH	8.06		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3) (Continued)

Lab Sample ID: 500-102977-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.020	J	0.037	0.0063	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.054		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.070		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.093		0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.044		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.069		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.069		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.13		0.037	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0081	J	0.037	0.0053	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.042		0.037	0.0098	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.072		0.037	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.11		0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.24	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.9		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	50		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.63		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.34	B	0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	18		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	64000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	370		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	29		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.79		0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	62		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1900	B	58	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	270		2.5	0.50	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.17		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.0	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.36		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.10		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.95		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0091		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	44	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.080		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.28		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	240		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.24		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	44	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.2		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3) (Continued)

Lab Sample ID: 500-102977-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	43	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.30		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	1.1	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0052		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.026		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	9.08		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.017	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.014	J	0.038	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.010	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.6		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	31		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	27	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	59000		110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.48	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	54		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100	B	57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0024	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	440		2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	21		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.86		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.085	J	0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.18	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	50	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.033		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.038		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	22		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.014		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	13	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.029		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	12	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.036		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3) (Continued)

Lab Sample ID: 500-102977-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.15	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.48		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.6		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.58		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.29	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	55000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	260		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.68		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	63		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	380	B	56	7.4	mg/Kg	1	☼	6010B	Total/NA
Barium	0.30	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0028	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	390		2.5	0.50	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	41		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.64		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.9	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.25		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.021	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	34	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.063		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.075		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	56		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.042		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	22	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.26		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.069		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	19	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.079		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.49	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.021		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
pH	8.39		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chrysene	0.014	J	0.038	0.010	mg/Kg	1		☼	8270D	Total/NA
Fluoranthene	0.013	J	0.038	0.0071	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.031	J	0.038	0.0076	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.40	J	1.2	0.24	mg/Kg	1		☼	6010B	Total/NA
Arsenic	9.0		0.58	0.27	mg/Kg	1		☼	6010B	Total/NA
Barium	32		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.64		0.23	0.050	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.31	B	0.12	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	16	B	0.58	0.099	mg/Kg	1		☼	6010B	Total/NA
Cobalt	10		0.29	0.065	mg/Kg	1		☼	6010B	Total/NA
Copper	26	B	0.58	0.13	mg/Kg	1		☼	6010B	Total/NA
Iron	19000		12	4.5	mg/Kg	1		☼	6010B	Total/NA
Lead	14		0.29	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	23000		5.8	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	51000		120	37	mg/Kg	10		☼	6010B	Total/NA
Manganese	260		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	30		0.58	0.16	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.47	J	0.58	0.29	mg/Kg	1		☼	6010B	Total/NA
Vanadium	19		0.29	0.084	mg/Kg	1		☼	6010B	Total/NA
Zinc	71		1.2	0.37	mg/Kg	1		☼	6010B	Total/NA
Potassium	2500		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
Cadmium	0.0030	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	350		2.5	0.50	mg/L	1			6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	44		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	0.59		0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.2	J B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.059	J	0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.10		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.52		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0085		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	53	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.19		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.055		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.29		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	200		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.14		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	50	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.75		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.22		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	51	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.22		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	1.4	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0048		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.025		0.018	0.0062	mg/Kg	1		☼	7471B	Total/NA
pH	8.44		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup (Continued)

Lab Sample ID: 500-102977-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chrysene	0.011	J	0.037	0.010	mg/Kg	1		☼	8270D	Total/NA
Pyrene	0.0097	J	0.037	0.0075	mg/Kg	1		☼	8270D	Total/NA
Arsenic	6.3		0.56	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	34		0.56	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.63		0.23	0.049	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.27	B	0.11	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	15	B	0.56	0.097	mg/Kg	1		☼	6010B	Total/NA
Cobalt	14		0.28	0.064	mg/Kg	1		☼	6010B	Total/NA
Copper	24	B	0.56	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	18000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	27000		5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	58000		110	36	mg/Kg	10		☼	6010B	Total/NA
Manganese	330		0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	34		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Vanadium	18		0.28	0.082	mg/Kg	1		☼	6010B	Total/NA
Zinc	58		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	2400		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	1500	B	56	7.4	mg/Kg	1		☼	6010B	Total/NA
Barium	0.25	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	310		2.5	0.50	mg/L	1			6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.40		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	39		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.2	J B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.24		0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.086		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.44	J	0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0066		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	40	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.15		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.065		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.23		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	160		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.11		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	39	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	1.1		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.21		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	42	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.18		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.70	B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0038		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.031		0.017	0.0061	mg/Kg	1		☼	7471B	Total/NA
pH	8.20		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3) (Continued)

Lab Sample ID: 500-102977-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.29	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.9		0.59	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.59	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.24	0.051	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26	B	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.59	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	15		0.29	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	28	B	0.59	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.9	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	33000		12	3.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	370		0.59	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.086	mg/Kg	1	☼	6010B	Total/NA
Zinc	70		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	2300	B	59	7.8	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0021	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	340		2.5	0.50	mg/L	1		6010B	TCLP
Copper	0.014	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	39		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.6		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.7	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.91		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.069		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.58		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0067		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	46	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.056		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	160		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.077		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	41	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	38	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.47	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0027		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.027		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.05		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0081	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3) (Continued)

Lab Sample ID: 500-102977-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	0.34	J	1.2	0.24	mg/Kg	1		☼	6010B	Total/NA
Arsenic	9.9		0.58	0.27	mg/Kg	1		☼	6010B	Total/NA
Barium	54		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.79		0.23	0.050	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.33	B	0.12	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	19	B	0.58	0.099	mg/Kg	1		☼	6010B	Total/NA
Cobalt	16		0.29	0.065	mg/Kg	1		☼	6010B	Total/NA
Copper	28	B	0.58	0.13	mg/Kg	1		☼	6010B	Total/NA
Iron	23000		12	4.5	mg/Kg	1		☼	6010B	Total/NA
Lead	18		0.29	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	14000		5.8	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	21000		12	3.7	mg/Kg	1		☼	6010B	Total/NA
Manganese	320		0.58	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	39		0.58	0.16	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.36	J	0.58	0.29	mg/Kg	1		☼	6010B	Total/NA
Vanadium	25		0.29	0.084	mg/Kg	1		☼	6010B	Total/NA
Zinc	66		1.2	0.37	mg/Kg	1		☼	6010B	Total/NA
Potassium	2400		29	4.7	mg/Kg	1		☼	6010B	Total/NA
Sodium	1800	B	58	7.6	mg/Kg	1		☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0027	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	390		2.5	0.50	mg/L	1			6010B	TCLP
Cobalt	0.016	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.22		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	46		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	4.5		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.013	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	0.17		0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.065		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.56		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0063		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	53	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.14		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.058		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.17		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.081		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	38	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	1.8		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.17		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	35	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.19		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.38	J B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0029		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.040		0.018	0.0064	mg/Kg	1		☼	7471B	Total/NA
pH	8.24		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3) (Continued)

Lab Sample ID: 500-102977-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	0.37	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	8.2		0.55	0.26	mg/Kg	1		☼	6010B	Total/NA
Barium	33		0.55	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.29	B	0.11	0.032	mg/Kg	1		☼	6010B	Total/NA
Chromium	16	B	0.55	0.095	mg/Kg	1		☼	6010B	Total/NA
Cobalt	11		0.28	0.062	mg/Kg	1		☼	6010B	Total/NA
Copper	23	B	0.55	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	19000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	24000		5.5	2.2	mg/Kg	1		☼	6010B	Total/NA
Calcium	61000		110	36	mg/Kg	10		☼	6010B	Total/NA
Manganese	320		0.55	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	29		0.55	0.15	mg/Kg	1		☼	6010B	Total/NA
Vanadium	19		0.28	0.081	mg/Kg	1		☼	6010B	Total/NA
Zinc	59		1.1	0.35	mg/Kg	1		☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1		☼	6010B	Total/NA
Sodium	1500	B	55	7.3	mg/Kg	1		☼	6010B	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	440		2.5	0.50	mg/L	1			6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1			6010B	TCLP
Magnesium	30		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	2.0		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.3	J B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.051	J	0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.026	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.39	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	67	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.057		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.026		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.078		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	54		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.040		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	27	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.95		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.074		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	17	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.082		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.42	J B	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.032		0.017	0.0060	mg/Kg	1		☼	7471B	Total/NA
pH	8.31		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Phenanthrene	0.011	J	0.039	0.0054	mg/Kg	1		☼	8270D	Total/NA
Antimony	0.40	J	1.1	0.23	mg/Kg	1		☼	6010B	Total/NA
Arsenic	9.8		0.56	0.26	mg/Kg	1		☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3) (Continued)

Lab Sample ID: 500-102977-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	59		0.56	0.10	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.69		0.22	0.049	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.33	B	0.11	0.033	mg/Kg	1		☼	6010B	Total/NA
Chromium	16	B	0.56	0.097	mg/Kg	1		☼	6010B	Total/NA
Cobalt	13		0.28	0.063	mg/Kg	1		☼	6010B	Total/NA
Copper	26	B	0.56	0.12	mg/Kg	1		☼	6010B	Total/NA
Iron	23000		11	4.3	mg/Kg	1		☼	6010B	Total/NA
Lead	17		0.28	0.14	mg/Kg	1		☼	6010B	Total/NA
Magnesium	22000		5.6	2.3	mg/Kg	1		☼	6010B	Total/NA
Calcium	53000		110	36	mg/Kg	10		☼	6010B	Total/NA
Manganese	350		0.56	0.11	mg/Kg	1		☼	6010B	Total/NA
Nickel	32		0.56	0.15	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.61		0.56	0.28	mg/Kg	1		☼	6010B	Total/NA
Vanadium	23		0.28	0.082	mg/Kg	1		☼	6010B	Total/NA
Zinc	65		1.1	0.36	mg/Kg	1		☼	6010B	Total/NA
Potassium	2200		28	4.6	mg/Kg	1		☼	6010B	Total/NA
Sodium	1700	B	56	7.4	mg/Kg	1		☼	6010B	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0024	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	470		2.5	0.50	mg/L	1			6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.36		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	36		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	2.5		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.6	B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.68		0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.073		0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.60		0.50	0.050	mg/L	1			6010B	SPLP East
Beryllium	0.0071		0.0040	0.0040	mg/L	1			6010B	SPLP East
Calcium	65	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.068		0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.21		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	160		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.10		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	46	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	1.5		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.20		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	40	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.21		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.46	J B	0.50	0.020	mg/L	1			6010B	SPLP East
Thallium	0.0034		0.0020	0.0020	mg/L	1			6020A	SPLP East
Mercury	0.032		0.020	0.0069	mg/Kg	1		☼	7471B	Total/NA
pH	8.04		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Pyrene	0.016	J	0.042	0.0084	mg/Kg	1		☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3) (Continued)

Lab Sample ID: 500-102977-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Antimony	0.26	J	1.2	0.26	mg/Kg	1		☼	6010B	Total/NA
Arsenic	15		0.62	0.29	mg/Kg	1		☼	6010B	Total/NA
Barium	110		0.62	0.11	mg/Kg	1		☼	6010B	Total/NA
Beryllium	0.85		0.25	0.054	mg/Kg	1		☼	6010B	Total/NA
Cadmium	0.52	B	0.12	0.036	mg/Kg	1		☼	6010B	Total/NA
Chromium	19	B	0.62	0.11	mg/Kg	1		☼	6010B	Total/NA
Cobalt	14		0.31	0.070	mg/Kg	1		☼	6010B	Total/NA
Copper	20	B	0.62	0.13	mg/Kg	1		☼	6010B	Total/NA
Iron	24000		12	4.8	mg/Kg	1		☼	6010B	Total/NA
Lead	36		0.31	0.15	mg/Kg	1		☼	6010B	Total/NA
Magnesium	4600		6.2	2.5	mg/Kg	1		☼	6010B	Total/NA
Calcium	6000		12	4.0	mg/Kg	1		☼	6010B	Total/NA
Manganese	340		0.62	0.12	mg/Kg	1		☼	6010B	Total/NA
Nickel	27		0.62	0.17	mg/Kg	1		☼	6010B	Total/NA
Selenium	0.55	J	0.62	0.31	mg/Kg	1		☼	6010B	Total/NA
Vanadium	34		0.31	0.091	mg/Kg	1		☼	6010B	Total/NA
Zinc	74		1.2	0.39	mg/Kg	1		☼	6010B	Total/NA
Potassium	1700		31	5.1	mg/Kg	1		☼	6010B	Total/NA
Sodium	2000	B	62	8.2	mg/Kg	1		☼	6010B	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1			6010B	TCLP
Cadmium	0.0023	J	0.0050	0.0020	mg/L	1			6010B	TCLP
Calcium	110		2.5	0.50	mg/L	1			6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1			6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1			6010B	TCLP
Iron	0.30		0.20	0.20	mg/L	1			6010B	TCLP
Magnesium	32		2.5	0.50	mg/L	1			6010B	TCLP
Manganese	4.1		0.025	0.010	mg/L	1			6010B	TCLP
Nickel	0.012	J	0.025	0.010	mg/L	1			6010B	TCLP
Potassium	2.3	J B	2.5	0.50	mg/L	1			6010B	TCLP
Zinc	0.057	J	0.10	0.020	mg/L	1			6010B	TCLP
Arsenic	0.015	J	0.050	0.010	mg/L	1			6010B	SPLP East
Barium	0.25	J	0.50	0.050	mg/L	1			6010B	SPLP East
Calcium	27	B	5.0	0.50	mg/L	1			6010B	SPLP East
Chromium	0.032		0.025	0.010	mg/L	1			6010B	SPLP East
Cobalt	0.011	J	0.025	0.010	mg/L	1			6010B	SPLP East
Copper	0.031		0.025	0.010	mg/L	1			6010B	SPLP East
Iron	31		0.20	0.20	mg/L	1			6010B	SPLP East
Lead	0.030		0.0075	0.0075	mg/L	1			6010B	SPLP East
Magnesium	11	B	2.5	0.50	mg/L	1			6010B	SPLP East
Manganese	0.39		0.025	0.010	mg/L	1			6010B	SPLP East
Nickel	0.032		0.025	0.010	mg/L	1			6010B	SPLP East
Potassium	8.3	B	2.5	0.50	mg/L	1			6010B	SPLP East
Vanadium	0.062		0.025	0.010	mg/L	1			6010B	SPLP East
Zinc	0.36	J B	0.50	0.020	mg/L	1			6010B	SPLP East
Mercury	0.046		0.021	0.0072	mg/Kg	1		☼	7471B	Total/NA
Cyanide, Total	0.20	J	0.61	0.20	mg/Kg	1		☼	9014	Total/NA
pH	7.43		0.200	0.200	SU	1			9045D	Total/NA

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3) (Continued)

Lab Sample ID: 500-102977-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.034	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.040		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.060		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.014	J	0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0085	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.042		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.062		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.57	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	22		0.57	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	59		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.52	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.57	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	33	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	28000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	31		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	15000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	25000		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	310		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.61		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	22		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	79		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1800	B	57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.47	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0029	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	340		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.019	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	42		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.3		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	0.38		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.026	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	45	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.049		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.028		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.095		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	48		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.087		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	19	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.4		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.064		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	16	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.082		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.19	J B	0.50	0.020	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3) (Continued)

Lab Sample ID: 500-102977-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.036		0.019	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	8.28		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.024	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.026	J	0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.015	J	0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.027	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.038	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.0078	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.027	J	0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.039		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.48	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.5		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.67		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.36	B	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	15		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	29	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	30		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	54000		120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	380		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.46	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	75		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1500	B	58	7.7	mg/Kg	1	☼	6010B	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0028	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	340		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.024	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.24		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	58		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.0		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.5	B	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.020	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.059	J	0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.036	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	41	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.062		0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3) (Continued)

Lab Sample ID: 500-102977-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.034		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	70		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.14		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	21	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.4		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.085		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	17	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.099		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.36	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.038		0.020	0.0069	mg/Kg	1	☼	7471B	Total/NA
pH	8.32		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.033		0.022	0.0042	mg/Kg	1	☼	8260B	Total/NA
Benzo[a]anthracene	0.014	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.031	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.016	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.027	J	0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0096	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.035	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.033	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.28	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	11		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.69		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.35	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.57	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	32	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	26		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	18000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	31000		11	3.6	mg/Kg	1	☼	6010B	Total/NA
Manganese	310		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.73		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	73		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2000		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400	B	57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.51		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0028	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	350		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.21		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	53		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.5		0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3) (Continued)

Lab Sample ID: 500-102977-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.8	B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.057	J	0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.092		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.67		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0076		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	48	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.080		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.29		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	190		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.20		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	40	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	2.2		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.22		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	39	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.23		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.50	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0043		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.036		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.38		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.32	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	8.8		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	100		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.83		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.32	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	20	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	24000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	4900		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	3300		11	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	490		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.57	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.44	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	28		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	65		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1400		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1600	B	57	7.6	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0025	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	180		2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.28		0.20	0.20	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3) (Continued)

Lab Sample ID: 500-102977-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	6.4		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.3	J B	2.5	0.50	mg/L	1		6010B	TCLP
Zinc	0.051	J	0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.11		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	1.2		0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.013		0.0040	0.0040	mg/L	1		6010B	SPLP East
Cadmium	0.0020	J ^	0.0050	0.0020	mg/L	1		6010B	SPLP East
Calcium	56	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.32		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.33		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	330		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.12		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	58	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	4.5		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.35		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	42	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.47		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.81	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0054		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.00021		0.00020	0.00020	mg/L	1		7470A	SPLP East
Mercury	0.045		0.019	0.0065	mg/Kg	1	*	7471B	Total/NA
pH	8.25		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-24-G01

Lab Sample ID: 500-102977-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.00015	J	0.00036	0.000049	mg/L	1		8270D	Total/NA
Antimony	0.0023	J	0.0030	0.0010	mg/L	1		6020A	Total Recoverable
Arsenic	0.030		0.0010	0.00044	mg/L	1		6020A	Total Recoverable
Barium	0.43		0.0025	0.00084	mg/L	1		6020A	Total Recoverable
Beryllium	0.00090	J	0.0010	0.00024	mg/L	1		6020A	Total Recoverable
Cadmium	0.0026		0.00050	0.00019	mg/L	1		6020A	Total Recoverable
Calcium	890		4.0	2.1	mg/L	20		6020A	Total Recoverable
Chromium	0.0090		0.0050	0.00061	mg/L	1		6020A	Total Recoverable
Cobalt	0.015		0.0010	0.00019	mg/L	1		6020A	Total Recoverable
Copper	0.060		0.0020	0.00096	mg/L	1		6020A	Total Recoverable
Iron	32		0.10	0.026	mg/L	1		6020A	Total Recoverable
Lead	0.052		0.00050	0.00014	mg/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-G01 (Continued)

Lab Sample ID: 500-102977-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	400		2.0	0.83	mg/L	10		6020A	Total Recoverable
Manganese	2.3		0.0025	0.00099	mg/L	1		6020A	Total Recoverable
Nickel	0.026		0.0020	0.00053	mg/L	1		6020A	Total Recoverable
Potassium	16		0.50	0.19	mg/L	1		6020A	Total Recoverable
Selenium	0.0021	J	0.0025	0.00083	mg/L	1		6020A	Total Recoverable
Sodium	2500		100	44	mg/L	500		6020A	Total Recoverable
Thallium	0.00084	J	0.0020	0.00059	mg/L	1		6020A	Total Recoverable
Vanadium	0.011	B	0.0050	0.0022	mg/L	1		6020A	Total Recoverable
Zinc	0.14		0.020	0.0046	mg/L	1		6020A	Total Recoverable
Mercury	0.00032		0.00020	0.000061	mg/L	1		7470A	Total/NA
Cyanide, Total	0.0043	J	0.010	0.0021	mg/L	1		9014	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-102977-20

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102977-1	2678-24-B16 (0-6)	Solid	10/22/15 14:45	10/23/15 08:50
500-102977-2	2678-24-B16 (6-13)	Solid	10/22/15 14:50	10/23/15 08:50
500-102977-3	2678-24-B17 (0-3)	Solid	10/22/15 14:30	10/23/15 08:50
500-102977-4	2678-24-B18 (0-3)	Solid	10/22/15 14:20	10/23/15 08:50
500-102977-5	2678-24-B19 (0-3)	Solid	10/22/15 14:10	10/23/15 08:50
500-102977-6	2678-24-B20 (0-3)	Solid	10/22/15 13:55	10/23/15 08:50
500-102977-7	2678-24-B21 (0-3)	Solid	10/22/15 13:45	10/23/15 08:50
500-102977-8	2678-24-B22 (0-3)	Solid	10/22/15 13:25	10/23/15 08:50
500-102977-9	2678-24-B22 (0-3) Dup	Solid	10/22/15 13:30	10/23/15 08:50
500-102977-10	2678-24-B23 (0-3)	Solid	10/22/15 13:15	10/23/15 08:50
500-102977-11	2678-24-B24 (0-3)	Solid	10/22/15 13:05	10/23/15 08:50
500-102977-12	2678-24-B25 (0-3)	Solid	10/22/15 12:15	10/23/15 08:50
500-102977-13	2678-24-B26 (0-3)	Solid	10/22/15 12:00	10/23/15 08:50
500-102977-14	2678-24-B27 (0-3)	Solid	10/22/15 11:50	10/23/15 08:50
500-102977-15	2678-24-B28 (0-3)	Solid	10/22/15 11:35	10/23/15 08:50
500-102977-16	2678-24-B29 (0-3)	Solid	10/22/15 11:25	10/23/15 08:50
500-102977-17	2678-24-B30 (0-3)	Solid	10/22/15 11:10	10/23/15 08:50
500-102977-18	2678-24-B31 (0-3)	Solid	10/22/15 11:00	10/23/15 08:50
500-102977-19	2678-24-G01	Water	10/22/15 16:05	10/23/15 08:50
500-102977-20	Trip Blank	Water	10/22/15 00:00	10/23/15 08:50

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Date Collected: 10/22/15 14:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 79.3

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	☼	10/23/15 09:35	10/27/15 14:01	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Bromodichloromethane	<0.0049		0.0049	0.00084	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Bromoform	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
2-Butanone (MEK)	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Carbon tetrachloride	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Chloroethane	<0.0049		0.0049	0.0021	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Chloroform	<0.0049		0.0049	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Dibromochloromethane	<0.0049		0.0049	0.00057	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,2-Dichloroethane	<0.0049		0.0049	0.00073	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Styrene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00079	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1
Xylenes, Total	<0.0099		0.0099	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/27/15 14:01	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/27/15 14:01	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/23/15 09:35	10/27/15 14:01	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/27/15 14:01	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	☼	10/28/15 07:19	10/30/15 15:32	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Date Collected: 10/22/15 14:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 79.3

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	☼	10/28/15 07:19	10/30/15 15:32	1
Benzo[b]fluoranthene	0.018	J	0.040	0.0086	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Fluoranthene	0.0080	J	0.040	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Methylnaphthalene	<0.040		0.040	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2-Nitrophenol	<0.40	*	0.40	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Date Collected: 10/22/15 14:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 79.3

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	☼	10/28/15 07:19	10/30/15 15:32	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
Pyrene	0.027	J	0.040	0.0079	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:19	10/30/15 15:32	1
2-Fluorophenol	79		25 - 110	10/28/15 07:19	10/30/15 15:32	1
Nitrobenzene-d5	83		25 - 115	10/28/15 07:19	10/30/15 15:32	1
Phenol-d5	66		31 - 110	10/28/15 07:19	10/30/15 15:32	1
Terphenyl-d14	162	X	36 - 134	10/28/15 07:19	10/30/15 15:32	1
2,4,6-Tribromophenol	37		35 - 137	10/28/15 07:19	10/30/15 15:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J F1	1.2	0.25	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Arsenic	7.3		0.61	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Barium	64	F1	0.61	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Beryllium	0.80		0.24	0.053	mg/Kg	☼	10/27/15 18:06	10/30/15 02:30	1
Cadmium	0.39	B	0.12	0.035	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Chromium	20	B	0.61	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Cobalt	17		0.30	0.069	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Copper	27	B	0.61	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Iron	22000		12	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Lead	20	F1 F2	0.30	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Magnesium	6900		6.1	2.5	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Calcium	6200		12	3.9	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Manganese	470	F2	0.61	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Nickel	37		0.61	0.17	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Selenium	0.44	J F1	0.61	0.30	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Silver	<0.30	F1	0.30	0.071	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Thallium	<0.61	F1	0.61	0.30	mg/Kg	☼	10/27/15 18:06	10/30/15 02:30	1
Vanadium	19		0.30	0.089	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Zinc	79	F1	1.2	0.39	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Potassium	2100	F1	30	5.0	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1
Sodium	1900	B F1	61	8.0	mg/Kg	☼	10/27/15 18:06	10/29/15 00:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Barium	0.37	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 20:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 20:38	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 20:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Date Collected: 10/22/15 14:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	220		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Copper	0.011	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Iron	0.31		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 20:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 20:38	1
Magnesium	110		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:38	1
Manganese	0.33	F1	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Potassium	2.0	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 20:38	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:38	1
Zinc	<0.10		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Barium	0.66		0.50	0.050	mg/L		10/28/15 12:00	10/28/15 23:42	1
Beryllium	0.0069		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 23:42	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 23:42	1
Calcium	28	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 23:42	1
Chromium	0.18		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Cobalt	0.068		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Copper	0.25		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Iron	240		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 23:42	1
Lead	0.13		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 23:42	1
Magnesium	43	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:42	1
Manganese	0.79		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Nickel	0.25		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Potassium	24	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 23:42	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Vanadium	0.18		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:42	1
Zinc	0.57	B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 23:42	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		10/28/15 10:00	11/04/15 12:02	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:02	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^ F1	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 13:56	1
Thallium	0.0039		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:49	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (0-6)

Lab Sample ID: 500-102977-1

Date Collected: 10/22/15 14:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 79.3

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		10/28/15 17:30	10/29/15 12:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.018	0.0063	mg/Kg	☼	10/27/15 16:00	10/28/15 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.62		0.62	0.21	mg/Kg	☼	10/26/15 21:00	10/26/15 23:11	1
pH	7.40		0.200	0.200	SU			10/29/15 15:29	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

Date Collected: 10/22/15 14:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.5

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	☼	10/23/15 09:35	10/27/15 14:26	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 122	10/23/15 09:35	10/27/15 14:26	1
Dibromofluoromethane	99		75 - 120	10/23/15 09:35	10/27/15 14:26	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/23/15 09:35	10/27/15 14:26	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/27/15 14:26	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	☼	10/28/15 07:19	10/30/15 19:29	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

Date Collected: 10/22/15 14:50

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.038		0.038	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Chrysene	0.022	J	0.038	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Fluoranthene	0.0080	J	0.038	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Fluorene	0.012	J	0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Methylnaphthalene	0.020	J	0.038	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2-Nitrophenol	<0.38	*	0.38	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

Date Collected: 10/22/15 14:50

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.77		0.77	0.36	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Phenanthrene	0.058		0.038	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
Pyrene	0.010	J	0.038	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/28/15 07:19	10/30/15 19:29	1
2-Fluorophenol	90		25 - 110	10/28/15 07:19	10/30/15 19:29	1
Nitrobenzene-d5	87		25 - 115	10/28/15 07:19	10/30/15 19:29	1
Phenol-d5	87		31 - 110	10/28/15 07:19	10/30/15 19:29	1
Terphenyl-d14	91		36 - 134	10/28/15 07:19	10/30/15 19:29	1
2,4,6-Tribromophenol	62		35 - 137	10/28/15 07:19	10/30/15 19:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.23	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Arsenic	7.8		0.55	0.25	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Barium	39		0.55	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Cadmium	0.26	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Chromium	16	B	0.55	0.095	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Cobalt	12		0.28	0.062	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Copper	24	B	0.55	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Iron	17000		11	4.2	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Lead	13		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Magnesium	24000		5.5	2.2	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Calcium	65000		110	35	mg/Kg	☼	10/27/15 18:06	10/30/15 03:00	10
Manganese	320		0.55	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Nickel	31		0.55	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Selenium	0.27	J	0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/30/15 02:55	1
Vanadium	18		0.28	0.080	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Zinc	57		1.1	0.35	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Potassium	2700		28	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1
Sodium	360	B	55	7.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:16	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Barium	0.47	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 20:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 20:59	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 20:59	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

Date Collected: 10/22/15 14:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Cobalt	0.026		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 20:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 20:59	1
Magnesium	24		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:59	1
Manganese	1.7		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Nickel	0.071		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Potassium	5.5 B		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 20:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 20:59	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 20:59	1
Zinc	0.078 J		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Barium	0.075 J		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:25	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:25	1
Calcium	23 B		5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Copper	0.017 J		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Iron	0.79		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:25	1
Magnesium	6.4 B		2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:25	1
Manganese	0.065		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Potassium	3.4 B		2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:25	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:25	1
Zinc	0.27 J B		0.50	0.020	mg/L		10/28/15 12:00	10/29/15 00:25	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		10/28/15 10:00	11/04/15 12:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:05	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 13:59	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B16 (6-13)

Lab Sample ID: 500-102977-2

Date Collected: 10/22/15 14:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.5

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		10/28/15 17:30	10/29/15 12:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0064	mg/Kg	☼	10/27/15 16:00	10/28/15 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:12	1
pH	7.93		0.200	0.200	SU			10/29/15 15:31	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Date Collected: 10/22/15 14:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.024		0.024	0.0047	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Benzene	<0.0061		0.0061	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Bromodichloromethane	<0.0061		0.0061	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Bromoform	<0.0061		0.0061	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Bromomethane	<0.0061		0.0061	0.0022	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
2-Butanone (MEK)	<0.0061		0.0061	0.0022	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Carbon disulfide	<0.0061		0.0061	0.0022	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Carbon tetrachloride	<0.0061		0.0061	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Chlorobenzene	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Chloroethane	<0.0061		0.0061	0.0026	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Chloroform	<0.0061		0.0061	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Chloromethane	<0.0061		0.0061	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
cis-1,2-Dichloroethene	<0.0061		0.0061	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
cis-1,3-Dichloropropene	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Dibromochloromethane	<0.0061		0.0061	0.00070	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,1-Dichloroethane	<0.0061		0.0061	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,2-Dichloroethane	<0.0061		0.0061	0.00090	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,1-Dichloroethene	<0.0061		0.0061	0.0022	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,2-Dichloropropane	<0.0061		0.0061	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,3-Dichloropropane, Total	<0.0061		0.0061	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Ethylbenzene	<0.0061		0.0061	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
2-Hexanone	<0.0061		0.0061	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Methylene Chloride	<0.0061		0.0061	0.0046	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
4-Methyl-2-pentanone (MIBK)	<0.0061		0.0061	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Methyl tert-butyl ether	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Styrene	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,1,2,2-Tetrachloroethane	<0.0061		0.0061	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Tetrachloroethene	<0.0061		0.0061	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Toluene	<0.0061		0.0061	0.0021	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
trans-1,2-Dichloroethene	<0.0061		0.0061	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
trans-1,3-Dichloropropene	<0.0061		0.0061	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,1,1-Trichloroethane	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
1,1,2-Trichloroethane	<0.0061		0.0061	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Trichloroethene	<0.0061		0.0061	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Vinyl acetate	<0.0061		0.0061	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Vinyl chloride	<0.0061		0.0061	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1
Xylenes, Total	<0.012		0.012	0.0022	mg/Kg	☼	10/23/15 09:35	10/27/15 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122	10/23/15 09:35	10/27/15 14:51	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/27/15 14:51	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/23/15 09:35	10/27/15 14:51	1
Toluene-d8 (Surr)	109		75 - 122	10/23/15 09:35	10/27/15 14:51	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	☼	10/28/15 07:19	10/30/15 19:55	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Benzo[a]anthracene	0.0082	J	0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Date Collected: 10/22/15 14:30

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Benzo[b]fluoranthene	0.020	J	0.039	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Benzo[k]fluoranthene	0.011	J	0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Chrysene	0.015	J	0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2-Nitrophenol	<0.39	*	0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Date Collected: 10/22/15 14:30

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.78		0.78	0.37	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
Pyrene	0.026	J	0.039	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		25 - 119	10/28/15 07:19	10/30/15 19:55	1
2-Fluorophenol	88		25 - 110	10/28/15 07:19	10/30/15 19:55	1
Nitrobenzene-d5	85		25 - 115	10/28/15 07:19	10/30/15 19:55	1
Phenol-d5	74		31 - 110	10/28/15 07:19	10/30/15 19:55	1
Terphenyl-d14	111		36 - 134	10/28/15 07:19	10/30/15 19:55	1
2,4,6-Tribromophenol	75		35 - 137	10/28/15 07:19	10/30/15 19:55	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	☼	10/27/15 18:06	10/29/15 01:21	1
Arsenic	9.0		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Barium	53		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Beryllium	0.69		0.22	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Cadmium	0.34	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Chromium	17	B	0.56	0.096	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Cobalt	13		0.28	0.063	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Copper	23	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Iron	20000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Lead	32		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Magnesium	11000		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Calcium	16000		11	3.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Manganese	290		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Nickel	29		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Selenium	0.60		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:04	1
Vanadium	27		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Zinc	67		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Potassium	1500		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	1
Sodium	2900	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 01:21	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		10/28/15 10:00	10/28/15 21:05	1
Barium	0.33	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:05	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Date Collected: 10/22/15 14:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	330		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Copper	0.019	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Iron	0.64		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:05	1
Magnesium	61		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:05	1
Manganese	0.96		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Potassium	2.3	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:05	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:05	1
Zinc	1.0		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.089		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Barium	0.64		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:32	1
Beryllium	0.0059		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:32	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:32	1
Calcium	44	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:32	1
Chromium	0.14		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Cobalt	0.069		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Copper	0.25		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Iron	190		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:32	1
Lead	0.12		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:32	1
Magnesium	36	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:32	1
Manganese	1.5		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Nickel	0.23		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Potassium	19	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:32	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Vanadium	0.16		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:32	1
Zinc	0.52	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 00:32	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		10/28/15 10:00	11/04/15 12:06	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:06	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:00	1
Thallium	0.0038		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B17 (0-3)

Lab Sample ID: 500-102977-3

Date Collected: 10/22/15 14:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.2

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		10/28/15 17:30	10/29/15 12:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.19	J	0.58	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:12	1
pH	8.65		0.200	0.200	SU			10/29/15 15:34	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Date Collected: 10/22/15 14:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Benzene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Bromodichloromethane	<0.0051		0.0051	0.00086	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Bromoform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
2-Butanone (MEK)	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Carbon disulfide	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Carbon tetrachloride	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Chlorobenzene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Chloroethane	<0.0051		0.0051	0.0021	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Chloroform	<0.0051		0.0051	0.00099	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Chloromethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Dibromochloromethane	<0.0051		0.0051	0.00059	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,1-Dichloroethane	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,2-Dichloroethane	<0.0051		0.0051	0.00076	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,1-Dichloroethene	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,2-Dichloropropane	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,3-Dichloropropene, Total	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Ethylbenzene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Methylene Chloride	<0.0051		0.0051	0.0039	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Methyl tert-butyl ether	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Styrene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.00081	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Tetrachloroethene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Toluene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00099	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Trichloroethene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Vinyl acetate	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Vinyl chloride	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122	10/23/15 09:35	10/27/15 15:16	1
Dibromofluoromethane	102		75 - 120	10/23/15 09:35	10/27/15 15:16	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/23/15 09:35	10/27/15 15:16	1
Toluene-d8 (Surr)	114		75 - 122	10/23/15 09:35	10/27/15 15:16	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	☼	10/28/15 07:19	10/30/15 16:00	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Date Collected: 10/22/15 14:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.8

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	☼	10/28/15 07:19	10/30/15 16:00	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2-Nitrophenol	<0.38 *		0.38	0.091	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Date Collected: 10/22/15 14:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.8

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	☼	10/28/15 07:19	10/30/15 16:00	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:19	10/30/15 16:00	1
2-Fluorophenol	83		25 - 110	10/28/15 07:19	10/30/15 16:00	1
Nitrobenzene-d5	81		25 - 115	10/28/15 07:19	10/30/15 16:00	1
Phenol-d5	68		31 - 110	10/28/15 07:19	10/30/15 16:00	1
Terphenyl-d14	164	X	36 - 134	10/28/15 07:19	10/30/15 16:00	1
2,4,6-Tribromophenol	51		35 - 137	10/28/15 07:19	10/30/15 16:00	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	☼	10/27/15 18:06	10/29/15 01:26	1
Arsenic	10		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Barium	67		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Beryllium	0.95		0.22	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Cadmium	0.27	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Chromium	22	B	0.56	0.096	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Cobalt	18		0.28	0.063	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Copper	30	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Iron	26000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Lead	20		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Magnesium	5200		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Calcium	1800		11	3.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Manganese	260		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Nickel	45		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Selenium	0.46	J	0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:17	1
Vanadium	25		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Zinc	73		1.1	0.35	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Potassium	2400		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	1
Sodium	1900	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 01:26	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		10/28/15 10:00	10/28/15 21:10	1
Barium	0.40	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:10	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:10	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Date Collected: 10/22/15 14:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	210		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Cobalt	0.019	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Iron	0.33		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:10	1
Magnesium	66		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:10	1
Manganese	10		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Potassium	1.9	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:10	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:10	1
Zinc	0.059	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.099		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Barium	1.1		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:39	1
Beryllium	0.0099		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:39	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:39	1
Calcium	44	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:39	1
Chromium	0.24		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Cobalt	0.090		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Copper	0.28		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Iron	250		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:39	1
Lead	0.32		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:39	1
Magnesium	40	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:39	1
Manganese	2.7		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Nickel	0.26		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Potassium	39	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:39	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Vanadium	0.36		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:39	1
Zinc	0.73	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 00:39	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		10/28/15 10:00	11/04/15 12:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:07	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:01	1
Thallium	0.0047		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B18 (0-3)

Lab Sample ID: 500-102977-4

Date Collected: 10/22/15 14:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.8

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		10/28/15 17:30	10/29/15 12:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0070	mg/Kg	☼	10/27/15 16:00	10/28/15 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:12	1
pH	8.06		0.200	0.200	SU			10/29/15 15:36	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

Date Collected: 10/22/15 14:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 122	10/23/15 09:35	10/27/15 15:41	1
Dibromofluoromethane	97		75 - 120	10/23/15 09:35	10/27/15 15:41	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/23/15 09:35	10/27/15 15:41	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/27/15 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Anthracene	0.020	J	0.037	0.0063	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Benzo[a]anthracene	0.054		0.037	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

Date Collected: 10/22/15 14:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.070		0.037	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Benzo[b]fluoranthene	0.093		0.037	0.0081	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Benzo[g,h,i]perylene	0.044		0.037	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Benzo[k]fluoranthene	0.069		0.037	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Chrysene	0.069		0.037	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Fluoranthene	0.13		0.037	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Fluorene	0.0081 J		0.037	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Indeno[1,2,3-cd]pyrene	0.042		0.037	0.0098	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2-Nitrophenol	<0.37 *		0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

Date Collected: 10/22/15 14:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/28/15 07:19	10/30/15 20:21	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Phenanthrene	0.072		0.037	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
Pyrene	0.11		0.037	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:19	10/30/15 20:21	1
2-Fluorophenol	87		25 - 110	10/28/15 07:19	10/30/15 20:21	1
Nitrobenzene-d5	77		25 - 115	10/28/15 07:19	10/30/15 20:21	1
Phenol-d5	87		31 - 110	10/28/15 07:19	10/30/15 20:21	1
Terphenyl-d14	106		36 - 134	10/28/15 07:19	10/30/15 20:21	1
2,4,6-Tribromophenol	80		35 - 137	10/28/15 07:19	10/30/15 20:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	1.2	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Arsenic	8.9		0.58	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Barium	50		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Beryllium	0.63		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Cadmium	0.34	B	0.12	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Chromium	15	B	0.58	0.099	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Cobalt	12		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Copper	24	B	0.58	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Iron	18000		12	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Lead	18		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Magnesium	27000		5.8	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Calcium	64000		120	37	mg/Kg	☼	10/27/15 18:06	10/30/15 03:27	10
Manganese	370		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Nickel	29		0.58	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Selenium	0.79		0.58	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:22	1
Vanadium	22		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Zinc	62		1.2	0.37	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Potassium	2100		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1
Sodium	1900	B	58	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:31	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Barium	0.36	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:15	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:15	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

Date Collected: 10/22/15 14:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:15	1
Magnesium	70		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:15	1
Manganese	0.17		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Potassium	2.0	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:15	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:15	1
Zinc	0.36		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Barium	0.95		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:46	1
Beryllium	0.0091		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:46	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:46	1
Calcium	44	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:46	1
Chromium	0.22		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Cobalt	0.080		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Copper	0.28		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Iron	240		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:46	1
Lead	0.24		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:46	1
Magnesium	44	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:46	1
Manganese	2.2		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Nickel	0.25		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Potassium	43	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:46	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Vanadium	0.30		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:46	1
Zinc	1.1	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 00:46	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		10/28/15 10:00	11/04/15 12:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:08	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:02	1
Thallium	0.0052		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:03	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B19 (0-3)

Lab Sample ID: 500-102977-5

Date Collected: 10/22/15 14:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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		10/28/15 17:30	10/29/15 12:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:13	1
pH	9.08		0.200	0.200	SU			10/29/15 15:38	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Date Collected: 10/22/15 13:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0037	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Benzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Bromodichloromethane	<0.0048		0.0048	0.00081	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Bromoform	<0.0048		0.0048	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
2-Butanone (MEK)	<0.0048		0.0048	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Carbon disulfide	<0.0048		0.0048	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Carbon tetrachloride	<0.0048		0.0048	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Chlorobenzene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Chloroethane	<0.0048		0.0048	0.0020	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Chloroform	<0.0048		0.0048	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Chloromethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
cis-1,2-Dichloroethene	<0.0048		0.0048	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
cis-1,3-Dichloropropene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Dibromochloromethane	<0.0048		0.0048	0.00055	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,1-Dichloroethane	<0.0048		0.0048	0.00098	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,2-Dichloroethane	<0.0048		0.0048	0.00071	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,1-Dichloroethene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,2-Dichloropropane	<0.0048		0.0048	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,3-Dichloropropene, Total	<0.0048		0.0048	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Ethylbenzene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Methylene Chloride	<0.0048		0.0048	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.00098	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Methyl tert-butyl ether	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Styrene	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,1,2,2-Tetrachloroethane	<0.0048		0.0048	0.00076	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Tetrachloroethene	<0.0048		0.0048	0.00099	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Toluene	<0.0048		0.0048	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
trans-1,2-Dichloroethene	<0.0048		0.0048	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
trans-1,3-Dichloropropene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,1,1-Trichloroethane	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
1,1,2-Trichloroethane	<0.0048		0.0048	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Trichloroethene	<0.0048		0.0048	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Vinyl acetate	<0.0048		0.0048	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Vinyl chloride	<0.0048		0.0048	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1
Xylenes, Total	<0.0095		0.0095	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 122	10/23/15 09:35	10/27/15 16:07	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/27/15 16:07	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/23/15 09:35	10/27/15 16:07	1
Toluene-d8 (Surr)	116		75 - 122	10/23/15 09:35	10/27/15 16:07	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	☼	10/28/15 07:19	10/30/15 16:29	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Date Collected: 10/22/15 13:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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	☼	10/28/15 07:19	10/30/15 16:29	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Chrysene	0.017	J	0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2-Nitrophenol	<0.38	*	0.38	0.091	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Date Collected: 10/22/15 13:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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	☼	10/28/15 07:19	10/30/15 16:29	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Phenanthrene	0.014	J	0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
Pyrene	0.010	J	0.038	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/28/15 07:19	10/30/15 16:29	1
2-Fluorophenol	80		25 - 110	10/28/15 07:19	10/30/15 16:29	1
Nitrobenzene-d5	83		25 - 115	10/28/15 07:19	10/30/15 16:29	1
Phenol-d5	64		31 - 110	10/28/15 07:19	10/30/15 16:29	1
Terphenyl-d14	157	X	36 - 134	10/28/15 07:19	10/30/15 16:29	1
2,4,6-Tribromophenol	35		35 - 137	10/28/15 07:19	10/30/15 16:29	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	☼	10/27/15 18:06	10/29/15 01:36	1
Arsenic	6.6		0.57	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Barium	31		0.57	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Beryllium	0.65		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Cadmium	0.29	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Chromium	16	B	0.57	0.099	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Copper	27	B	0.57	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Iron	18000		11	4.4	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Lead	14		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Magnesium	24000		5.7	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Calcium	59000		110	37	mg/Kg	☼	10/27/15 18:06	10/30/15 03:36	10
Manganese	320		0.57	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Nickel	32		0.57	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Selenium	0.48	J	0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:31	1
Vanadium	18		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Zinc	54		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Potassium	2300		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1
Sodium	1100	B	57	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:36	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Barium	0.25	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:28	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Date Collected: 10/22/15 13:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	440		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:28	1
Magnesium	21		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:28	1
Manganese	0.86		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Potassium	1.9	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:28	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:28	1
Zinc	0.085	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Barium	0.18	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:53	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:53	1
Calcium	50	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:53	1
Chromium	0.033		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Copper	0.038		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Iron	22		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:53	1
Lead	0.014		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:53	1
Magnesium	13	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:53	1
Manganese	0.18		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Nickel	0.029		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Potassium	12	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:53	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Vanadium	0.036		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:53	1
Zinc	0.15	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 00:53	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		10/28/15 10:00	11/04/15 12:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:11	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B20 (0-3)

Lab Sample ID: 500-102977-6

Date Collected: 10/22/15 13:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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		10/28/15 17:30	10/29/15 13:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:13	1
pH	8.48		0.200	0.200	SU			10/29/15 15:40	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Date Collected: 10/22/15 13:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.0

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	☼	10/23/15 09:35	10/27/15 16:32	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Carbon tetrachloride	<0.0046		0.0046	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Dibromochloromethane	<0.0046		0.0046	0.00052	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,2-Dichloroethane	<0.0046		0.0046	0.00067	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Methylene Chloride	<0.0046		0.0046	0.0034	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00072	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/23/15 09:35	10/27/15 16:32	1
Dibromofluoromethane	98		75 - 120	10/23/15 09:35	10/27/15 16:32	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/23/15 09:35	10/27/15 16:32	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/27/15 16:32	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	☼	10/28/15 07:19	10/30/15 16:57	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Date Collected: 10/22/15 13:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.036		0.036	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Methylnaphthalene	<0.036		0.036	0.0067	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2-Nitrophenol	<0.36 *		0.36	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Date Collected: 10/22/15 13:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.74		0.74	0.35	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
N-Nitrosodi-n-propylamine	<0.18		0.18	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/28/15 07:19	10/30/15 16:57	1
2-Fluorophenol	77		25 - 110	10/28/15 07:19	10/30/15 16:57	1
Nitrobenzene-d5	79		25 - 115	10/28/15 07:19	10/30/15 16:57	1
Phenol-d5	69		31 - 110	10/28/15 07:19	10/30/15 16:57	1
Terphenyl-d14	180	X	36 - 134	10/28/15 07:19	10/30/15 16:57	1
2,4,6-Tribromophenol	49		35 - 137	10/28/15 07:19	10/30/15 16:57	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	☼	10/27/15 18:06	10/29/15 01:41	1
Arsenic	7.6		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Barium	33		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Beryllium	0.58		0.22	0.048	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Cadmium	0.29	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Cobalt	11		0.28	0.063	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Copper	23	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Iron	17000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Lead	14		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Calcium	55000		110	36	mg/Kg	☼	10/27/15 18:06	10/30/15 03:45	10
Manganese	260		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Nickel	30		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Selenium	0.68		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:40	1
Vanadium	17		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Zinc	63		1.1	0.35	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Potassium	2300		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	1
Sodium	380	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 01:41	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		10/28/15 10:00	10/28/15 21:34	1
Barium	0.30	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:34	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Date Collected: 10/22/15 13:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Copper	0.011	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:34	1
Magnesium	41		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:34	1
Manganese	0.64		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Potassium	1.9	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:34	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:34	1
Zinc	0.25		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Barium	0.28	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 00:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 00:59	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 00:59	1
Calcium	34	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 00:59	1
Chromium	0.063		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Cobalt	0.018	J	0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Copper	0.075		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Iron	56		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 00:59	1
Lead	0.042		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 00:59	1
Magnesium	22	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:59	1
Manganese	0.26		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Nickel	0.069		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Potassium	19	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 00:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 00:59	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Vanadium	0.079		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 00:59	1
Zinc	0.49	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:06	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B21 (0-3)

Lab Sample ID: 500-102977-7

Date Collected: 10/22/15 13:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.0

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		10/28/15 17:30	10/29/15 13:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.56		0.56	0.18	mg/Kg	☼	10/26/15 21:00	10/26/15 23:14	1
pH	8.39		0.200	0.200	SU			10/29/15 15:43	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Date Collected: 10/22/15 13:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Benzene	<0.0045		0.0045	0.00099	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Bromodichloromethane	<0.0045		0.0045	0.00075	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Carbon tetrachloride	<0.0045		0.0045	0.00095	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Dibromochloromethane	<0.0045		0.0045	0.00051	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00086	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1
Xylenes, Total	<0.0089		0.0089	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122	10/23/15 09:35	10/27/15 16:57	1
Dibromofluoromethane	98		75 - 120	10/23/15 09:35	10/27/15 16:57	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/23/15 09:35	10/27/15 16:57	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/27/15 16:57	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	☼	10/28/15 07:19	10/30/15 17:25	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Date Collected: 10/22/15 13:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.9

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	☼	10/28/15 07:19	10/30/15 17:25	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Chrysene	0.014	J	0.038	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Fluoranthene	0.013	J	0.038	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2-Nitrophenol	<0.38	*	0.38	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Date Collected: 10/22/15 13:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.9

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	☼	10/28/15 07:19	10/30/15 17:25	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
Pyrene	0.031	J	0.038	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		25 - 119	10/28/15 07:19	10/30/15 17:25	1
2-Fluorophenol	73		25 - 110	10/28/15 07:19	10/30/15 17:25	1
Nitrobenzene-d5	78		25 - 115	10/28/15 07:19	10/30/15 17:25	1
Phenol-d5	64		31 - 110	10/28/15 07:19	10/30/15 17:25	1
Terphenyl-d14	181	X	36 - 134	10/28/15 07:19	10/30/15 17:25	1
2,4,6-Tribromophenol	59		35 - 137	10/28/15 07:19	10/30/15 17:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.2	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Arsenic	9.0		0.58	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Barium	32		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Beryllium	0.64		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Cadmium	0.31	B	0.12	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Chromium	16	B	0.58	0.099	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Cobalt	10		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Copper	26	B	0.58	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Iron	19000		12	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Lead	14		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Magnesium	23000		5.8	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Calcium	51000		120	37	mg/Kg	☼	10/27/15 18:06	10/30/15 03:54	10
Manganese	260		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Nickel	30		0.58	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Selenium	0.47	J	0.58	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:49	1
Vanadium	19		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Zinc	71		1.2	0.37	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Potassium	2500		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1
Sodium	1600	B	58	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 01:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Barium	0.28	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:39	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Date Collected: 10/22/15 13:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	350		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Copper	0.013	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:39	1
Magnesium	44		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:39	1
Manganese	0.59		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Potassium	2.2	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:39	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:39	1
Zinc	0.059	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Barium	0.52		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:06	1
Beryllium	0.0085		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:06	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:06	1
Calcium	53	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:06	1
Chromium	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Cobalt	0.055		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Copper	0.29		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Iron	200		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:06	1
Lead	0.14		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:06	1
Magnesium	50	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:06	1
Manganese	0.75		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Nickel	0.22		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Potassium	51	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:06	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Vanadium	0.22		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:06	1
Zinc	1.4	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:07	1
Thallium	0.0048		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:09	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3)

Lab Sample ID: 500-102977-8

Date Collected: 10/22/15 13:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.9

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		10/28/15 17:30	10/29/15 13:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0062	mg/Kg	☼	10/27/15 16:00	10/28/15 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:14	1
pH	8.44		0.200	0.200	SU			10/29/15 15:45	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

Date Collected: 10/22/15 13:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Benzene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Bromodichloromethane	<0.0050		0.0050	0.00084	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Bromoform	<0.0050		0.0050	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Bromomethane	<0.0050		0.0050	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
2-Butanone (MEK)	<0.0050		0.0050	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Carbon disulfide	<0.0050		0.0050	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Carbon tetrachloride	<0.0050		0.0050	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Chlorobenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Chloroethane	<0.0050		0.0050	0.0021	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Chloroform	<0.0050		0.0050	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Chloromethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
cis-1,2-Dichloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
cis-1,3-Dichloropropene	<0.0050		0.0050	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Dibromochloromethane	<0.0050		0.0050	0.00057	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,1-Dichloroethane	<0.0050		0.0050	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,2-Dichloroethane	<0.0050		0.0050	0.00074	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,1-Dichloroethene	<0.0050		0.0050	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,2-Dichloropropane	<0.0050		0.0050	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,3-Dichloropropane, Total	<0.0050		0.0050	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Ethylbenzene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Methylene Chloride	<0.0050		0.0050	0.0038	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Methyl tert-butyl ether	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Styrene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.00079	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Tetrachloroethene	<0.0050		0.0050	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Toluene	<0.0050		0.0050	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
trans-1,2-Dichloroethene	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
trans-1,3-Dichloropropene	<0.0050		0.0050	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,1,1-Trichloroethane	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
1,1,2-Trichloroethane	<0.0050		0.0050	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Trichloroethene	<0.0050		0.0050	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Vinyl acetate	<0.0050		0.0050	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Vinyl chloride	<0.0050		0.0050	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1
Xylenes, Total	<0.010		0.010	0.0018	mg/Kg	☼	10/23/15 09:35	10/27/15 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/23/15 09:35	10/27/15 17:22	1
Dibromofluoromethane	98		75 - 120	10/23/15 09:35	10/27/15 17:22	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/23/15 09:35	10/27/15 17:22	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/27/15 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

Date Collected: 10/22/15 13:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.3

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	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Chrysene	0.011	J	0.037	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2-Nitrophenol	<0.37	*	0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

Date Collected: 10/22/15 13:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.3

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	☼	10/28/15 07:19	10/30/15 17:54	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Pyrene	0.0097	J	0.037	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119				10/28/15 07:19	10/30/15 17:54	1
2-Fluorophenol	78		25 - 110				10/28/15 07:19	10/30/15 17:54	1
Nitrobenzene-d5	82		25 - 115				10/28/15 07:19	10/30/15 17:54	1
Phenol-d5	67		31 - 110				10/28/15 07:19	10/30/15 17:54	1
Terphenyl-d14	204	X	36 - 134				10/28/15 07:19	10/30/15 17:54	1
2,4,6-Tribromophenol	62		35 - 137				10/28/15 07:19	10/30/15 17:54	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	☼	10/27/15 18:06	10/29/15 02:00	1
Arsenic	6.3		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Barium	34		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Beryllium	0.63		0.23	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Cadmium	0.27	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Chromium	15	B	0.56	0.097	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Cobalt	14		0.28	0.064	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Copper	24	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Iron	18000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Lead	14		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Magnesium	27000		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Calcium	58000		110	36	mg/Kg	☼	10/27/15 18:06	10/30/15 04:12	10
Manganese	330		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Nickel	34		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Selenium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 03:59	1
Vanadium	18		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Zinc	58		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Potassium	2400		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	1
Sodium	1500	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:00	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		10/28/15 10:00	10/28/15 21:44	1
Barium	0.25	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:44	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:44	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

Date Collected: 10/22/15 13:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	310		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Copper	0.011	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Iron	0.40		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:44	1
Magnesium	39		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:44	1
Manganese	1.7		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Nickel	0.011	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Potassium	2.2	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:44	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:44	1
Zinc	0.24		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.086		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Barium	0.44	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:13	1
Beryllium	0.0066		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:13	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:13	1
Calcium	40	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:13	1
Chromium	0.15		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Cobalt	0.065		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Copper	0.23		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Iron	160		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:13	1
Lead	0.11		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:13	1
Magnesium	39	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:13	1
Manganese	1.1		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Nickel	0.21		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Potassium	42	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:13	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Vanadium	0.18		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:13	1
Zinc	0.70	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:13	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:07	1
Thallium	0.0038		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B22 (0-3) Dup

Lab Sample ID: 500-102977-9

Date Collected: 10/22/15 13:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.3

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		10/28/15 17:30	10/29/15 13:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:15	1
pH	8.20		0.200	0.200	SU			10/29/15 15:47	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

Date Collected: 10/22/15 13:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122	10/23/15 09:35	10/27/15 17:47	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/27/15 17:47	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/23/15 09:35	10/27/15 17:47	1
Toluene-d8 (Surr)	110		75 - 122	10/23/15 09:35	10/27/15 17:47	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	☼	10/28/15 07:19	10/30/15 18:22	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

Date Collected: 10/22/15 13:15

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2-Nitrophenol	<0.39 *		0.39	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

Date Collected: 10/22/15 13:15

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.80		0.80	0.38	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/28/15 07:19	10/30/15 18:22	1
2-Fluorophenol	81		25 - 110	10/28/15 07:19	10/30/15 18:22	1
Nitrobenzene-d5	82		25 - 115	10/28/15 07:19	10/30/15 18:22	1
Phenol-d5	71		31 - 110	10/28/15 07:19	10/30/15 18:22	1
Terphenyl-d14	209	X	36 - 134	10/28/15 07:19	10/30/15 18:22	1
2,4,6-Tribromophenol	64		35 - 137	10/28/15 07:19	10/30/15 18:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.2	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Arsenic	8.9		0.59	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Barium	39		0.59	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Beryllium	0.69		0.24	0.051	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Cadmium	0.26	B	0.12	0.034	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Chromium	17	B	0.59	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Cobalt	15		0.29	0.067	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Copper	28	B	0.59	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Iron	20000		12	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Lead	15		0.29	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Magnesium	21000		5.9	2.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Calcium	33000		12	3.8	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Manganese	370		0.59	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Nickel	34		0.59	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Selenium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Silver	<0.29		0.29	0.069	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	10/27/15 18:06	10/30/15 04:16	1
Vanadium	21		0.29	0.086	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Zinc	70		1.2	0.37	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Potassium	2200		29	4.8	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1
Sodium	2300	B	59	7.8	mg/Kg	☼	10/27/15 18:06	10/29/15 02:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Barium	0.32	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:50	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

Date Collected: 10/22/15 13:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Copper	0.014	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Iron	0.21		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:50	1
Magnesium	39		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:50	1
Manganese	1.6		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Potassium	1.7	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:50	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:50	1
Zinc	0.91		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.069		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Barium	0.58		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:20	1
Beryllium	0.0067		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:20	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:20	1
Calcium	46	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:20	1
Chromium	0.16		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Cobalt	0.056		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Copper	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Iron	160		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:20	1
Lead	0.077		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:20	1
Magnesium	41	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:20	1
Manganese	1.5		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Nickel	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Potassium	38	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:20	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Vanadium	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:20	1
Zinc	0.47	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 01:20	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		10/28/15 10:00	11/04/15 12:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:14	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:08	1
Thallium	0.0027		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:13	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B23 (0-3)

Lab Sample ID: 500-102977-10

Date Collected: 10/22/15 13:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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		10/28/15 17:30	10/29/15 13:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/26/15 21:00	10/26/15 23:15	1
pH	8.05		0.200	0.200	SU			10/29/15 15:49	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Date Collected: 10/22/15 13:05

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/27/15 18:12	1
Dibromofluoromethane	96		75 - 120	10/23/15 09:35	10/27/15 18:12	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/23/15 09:35	10/27/15 18:12	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/27/15 18:12	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	☼	10/28/15 07:19	10/30/15 18:50	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Date Collected: 10/22/15 13:05

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2-Nitrophenol	<0.39 *		0.39	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Date Collected: 10/22/15 13:05

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.79		0.79	0.37	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Phenanthrene	0.0081	J	0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	10/28/15 07:19	10/30/15 18:50	1
2-Fluorophenol	79		25 - 110	10/28/15 07:19	10/30/15 18:50	1
Nitrobenzene-d5	81		25 - 115	10/28/15 07:19	10/30/15 18:50	1
Phenol-d5	62		31 - 110	10/28/15 07:19	10/30/15 18:50	1
Terphenyl-d14	145	X	36 - 134	10/28/15 07:19	10/30/15 18:50	1
2,4,6-Tribromophenol	45		35 - 137	10/28/15 07:19	10/30/15 18:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.2	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Arsenic	9.9		0.58	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Barium	54		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Beryllium	0.79		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Cadmium	0.33	B	0.12	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Chromium	19	B	0.58	0.099	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Cobalt	16		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Copper	28	B	0.58	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Iron	23000		12	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Lead	18		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Magnesium	14000		5.8	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Calcium	21000		12	3.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Manganese	320		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Nickel	39		0.58	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Selenium	0.36	J	0.58	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 04:21	1
Vanadium	25		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Zinc	66		1.2	0.37	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Potassium	2400		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	1
Sodium	1800	B	58	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:10	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		10/28/15 10:00	10/28/15 21:55	1
Barium	0.42	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 21:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 21:55	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 21:55	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Date Collected: 10/22/15 13:05

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Cobalt	0.016	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Iron	0.22		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 21:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 21:55	1
Magnesium	46		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:55	1
Manganese	4.5		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Nickel	0.013	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Potassium	2.1	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 21:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 21:55	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 21:55	1
Zinc	0.17		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.065		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Barium	0.56		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:26	1
Beryllium	0.0063		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:26	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:26	1
Calcium	53	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:26	1
Chromium	0.14		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Cobalt	0.058		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Copper	0.17		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Iron	140		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:26	1
Lead	0.081		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:26	1
Magnesium	38	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:26	1
Manganese	1.8		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Nickel	0.17		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Potassium	35	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:26	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Vanadium	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:26	1
Zinc	0.38	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:09	1
Thallium	0.0029		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:15	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B24 (0-3)

Lab Sample ID: 500-102977-11

Date Collected: 10/22/15 13:05

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.3

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		10/28/15 17:30	10/29/15 13:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.018	0.0064	mg/Kg	☼	10/27/15 16:00	10/28/15 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.60		0.60	0.20	mg/Kg	☼	10/26/15 21:00	10/26/15 23:15	1
pH	8.24		0.200	0.200	SU			10/29/15 15:52	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

Date Collected: 10/22/15 12:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Bromodichloromethane	<0.0047		0.0047	0.00079	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Bromoform	<0.0047		0.0047	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Chloroform	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,1-Dichloroethane	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,2-Dichloroethane	<0.0047		0.0047	0.00069	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
2-Hexanone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Methylene Chloride	<0.0047		0.0047	0.0035	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00074	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Tetrachloroethene	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00090	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1
Xylenes, Total	<0.0093		0.0093	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	10/23/15 09:35	10/28/15 19:28	1
Dibromofluoromethane	100		75 - 120	10/23/15 09:35	10/28/15 19:28	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/23/15 09:35	10/28/15 19:28	1
Toluene-d8 (Surr)	108		75 - 122	10/23/15 09:35	10/28/15 19:28	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	☼	10/28/15 07:19	10/30/15 19:18	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

Date Collected: 10/22/15 12:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2-Nitrophenol	<0.37 *		0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

Date Collected: 10/22/15 12:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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	☼	10/28/15 07:19	10/30/15 19:18	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		25 - 119	10/28/15 07:19	10/30/15 19:18	1
2-Fluorophenol	79		25 - 110	10/28/15 07:19	10/30/15 19:18	1
Nitrobenzene-d5	78		25 - 115	10/28/15 07:19	10/30/15 19:18	1
Phenol-d5	68		31 - 110	10/28/15 07:19	10/30/15 19:18	1
Terphenyl-d14	152	X	36 - 134	10/28/15 07:19	10/30/15 19:18	1
2,4,6-Tribromophenol	62		35 - 137	10/28/15 07:19	10/30/15 19:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J	1.1	0.23	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Arsenic	8.2		0.55	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Barium	33		0.55	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Cadmium	0.29	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Chromium	16	B	0.55	0.095	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Cobalt	11		0.28	0.062	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Copper	23	B	0.55	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Iron	19000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Lead	13		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Magnesium	24000		5.5	2.2	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Calcium	61000		110	36	mg/Kg	☼	10/27/15 18:06	10/30/15 04:31	10
Manganese	320		0.55	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Nickel	29		0.55	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/30/15 04:26	1
Vanadium	19		0.28	0.081	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Zinc	59		1.1	0.35	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Potassium	2200		28	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	1
Sodium	1500	B	55	7.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:15	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		10/28/15 10:00	10/28/15 22:00	1
Barium	0.35	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:00	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:00	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

Date Collected: 10/22/15 12:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	440		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Copper	0.010	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:00	1
Magnesium	30		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:00	1
Manganese	2.0		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Nickel	0.010	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Potassium	2.3	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:00	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:00	1
Zinc	0.051	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Barium	0.39	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:49	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:49	1
Calcium	67	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:49	1
Chromium	0.057		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Cobalt	0.026		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Copper	0.078		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Iron	54		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:49	1
Lead	0.040		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:49	1
Magnesium	27	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:49	1
Manganese	0.95		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Nickel	0.074		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Potassium	17	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:49	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Vanadium	0.082		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:49	1
Zinc	0.42	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 01:49	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		10/28/15 10:00	11/04/15 12:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:16	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B25 (0-3)

Lab Sample ID: 500-102977-12

Date Collected: 10/22/15 12:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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		10/28/15 17:30	10/29/15 13:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/26/15 21:00	10/26/15 23:15	1
pH	8.31		0.200	0.200	SU			10/29/15 15:54	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Date Collected: 10/22/15 12:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,3-Dichloropropane, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/23/15 09:35	10/27/15 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 122	10/23/15 09:35	10/27/15 19:02	1
Dibromofluoromethane	99		75 - 120	10/23/15 09:35	10/27/15 19:02	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/23/15 09:35	10/27/15 19:02	1
Toluene-d8 (Surr)	108		75 - 122	10/23/15 09:35	10/27/15 19:02	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	☼	10/28/15 07:19	10/30/15 20:48	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Date Collected: 10/22/15 12:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.6

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	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4-Dinitrophenol	<0.78		0.78	0.69	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Methylnaphthalene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2-Nitrophenol	<0.39 *		0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Date Collected: 10/22/15 12:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.6

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	☼	10/28/15 07:19	10/30/15 20:48	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Phenanthrene	0.011	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		25 - 119	10/28/15 07:19	10/30/15 20:48	1
2-Fluorophenol	92		25 - 110	10/28/15 07:19	10/30/15 20:48	1
Nitrobenzene-d5	85		25 - 115	10/28/15 07:19	10/30/15 20:48	1
Phenol-d5	85		31 - 110	10/28/15 07:19	10/30/15 20:48	1
Terphenyl-d14	103		36 - 134	10/28/15 07:19	10/30/15 20:48	1
2,4,6-Tribromophenol	82		35 - 137	10/28/15 07:19	10/30/15 20:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.23	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Arsenic	9.8		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Barium	59		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Beryllium	0.69		0.22	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Cadmium	0.33	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Chromium	16	B	0.56	0.097	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Cobalt	13		0.28	0.063	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Copper	26	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Iron	23000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Lead	17		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Magnesium	22000		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Calcium	53000		110	36	mg/Kg	☼	10/27/15 18:06	10/30/15 04:40	10
Manganese	350		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Nickel	32		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Selenium	0.61		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 04:35	1
Vanadium	23		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Zinc	65		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Potassium	2200		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1
Sodium	1700	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Barium	0.42	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:05	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:05	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Date Collected: 10/22/15 12:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	470		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Copper	0.013	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Iron	0.36		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:05	1
Magnesium	36		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:05	1
Manganese	2.5		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Nickel	0.010	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Potassium	2.6	B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:05	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:05	1
Zinc	0.68		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.073		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Barium	0.60		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 01:56	1
Beryllium	0.0071		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 01:56	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 01:56	1
Calcium	65	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 01:56	1
Chromium	0.16		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Cobalt	0.068		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Copper	0.21		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Iron	160		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 01:56	1
Lead	0.10		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 01:56	1
Magnesium	46	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:56	1
Manganese	1.5		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Nickel	0.20		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Potassium	40	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 01:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 01:56	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Vanadium	0.21		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 01:56	1
Zinc	0.46	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 01:56	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		10/28/15 10:00	11/04/15 12:17	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:17	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:11	1
Thallium	0.0034		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B26 (0-3)

Lab Sample ID: 500-102977-13

Date Collected: 10/22/15 12:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.6

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		10/28/15 17:30	10/29/15 13:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/26/15 21:00	10/26/15 23:16	1
pH	8.04		0.200	0.200	SU			10/29/15 15:56	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Date Collected: 10/22/15 11:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0043	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Benzene	<0.0056		0.0056	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Bromodichloromethane	<0.0056		0.0056	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Bromoform	<0.0056		0.0056	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Bromomethane	<0.0056		0.0056	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
2-Butanone (MEK)	<0.0056		0.0056	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Carbon disulfide	<0.0056		0.0056	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Carbon tetrachloride	<0.0056		0.0056	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Chlorobenzene	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Chloroethane	<0.0056		0.0056	0.0023	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Chloroform	<0.0056		0.0056	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Chloromethane	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
cis-1,2-Dichloroethene	<0.0056		0.0056	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
cis-1,3-Dichloropropene	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Dibromochloromethane	<0.0056		0.0056	0.00064	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,1-Dichloroethane	<0.0056		0.0056	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,2-Dichloroethane	<0.0056		0.0056	0.00083	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,1-Dichloroethene	<0.0056		0.0056	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,2-Dichloropropane	<0.0056		0.0056	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,3-Dichloropropane, Total	<0.0056		0.0056	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Ethylbenzene	<0.0056		0.0056	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
2-Hexanone	<0.0056		0.0056	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Methylene Chloride	<0.0056		0.0056	0.0042	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
4-Methyl-2-pentanone (MIBK)	<0.0056		0.0056	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Methyl tert-butyl ether	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Styrene	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,1,2,2-Tetrachloroethane	<0.0056		0.0056	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Tetrachloroethene	<0.0056		0.0056	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Toluene	<0.0056		0.0056	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
trans-1,2-Dichloroethene	<0.0056		0.0056	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
trans-1,3-Dichloropropene	<0.0056		0.0056	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,1,1-Trichloroethane	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
1,1,2-Trichloroethane	<0.0056		0.0056	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Trichloroethene	<0.0056		0.0056	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Vinyl acetate	<0.0056		0.0056	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Vinyl chloride	<0.0056		0.0056	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1
Xylenes, Total	<0.011		0.011	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 11:58	1
Dibromofluoromethane	100		75 - 120	10/23/15 09:35	10/28/15 11:58	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/23/15 09:35	10/28/15 11:58	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/28/15 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Date Collected: 10/22/15 11:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Benzo[b]fluoranthene	<0.042		0.042	0.0091	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Butyl benzyl phthalate	<0.21		0.21	0.081	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Di-n-butyl phthalate	<0.21		0.21	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4-Dinitrophenol	<0.85		0.85	0.75	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Fluoranthene	<0.042		0.042	0.0079	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Hexachlorobutadiene	<0.21		0.21	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Isophorone	<0.21		0.21	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Methylnaphthalene	<0.042		0.042	0.0078	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2-Nitrophenol	<0.42 *		0.42	0.10	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Date Collected: 10/22/15 11:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
N-Nitrosodi-n-propylamine	<0.21		0.21	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Pyrene	0.016	J	0.042	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
1,2,4-Trichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4,5-Trichlorophenol	<0.42		0.42	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		25 - 119				10/28/15 07:19	10/30/15 19:47	1
2-Fluorophenol	82		25 - 110				10/28/15 07:19	10/30/15 19:47	1
Nitrobenzene-d5	87		25 - 115				10/28/15 07:19	10/30/15 19:47	1
Phenol-d5	59		31 - 110				10/28/15 07:19	10/30/15 19:47	1
Terphenyl-d14	167	X	36 - 134				10/28/15 07:19	10/30/15 19:47	1
2,4,6-Tribromophenol	71		35 - 137				10/28/15 07:19	10/30/15 19:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Arsenic	15		0.62	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Barium	110		0.62	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Beryllium	0.85		0.25	0.054	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Cadmium	0.52	B	0.12	0.036	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Chromium	19	B	0.62	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Cobalt	14		0.31	0.070	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Copper	20	B	0.62	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Iron	24000		12	4.8	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Lead	36		0.31	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Magnesium	4600		6.2	2.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Calcium	6000		12	4.0	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Manganese	340		0.62	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Nickel	27		0.62	0.17	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Selenium	0.55	J	0.62	0.31	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Silver	<0.31		0.31	0.073	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Thallium	<0.62		0.62	0.31	mg/Kg	☼	10/27/15 18:06	10/30/15 04:44	1
Vanadium	34		0.31	0.091	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Zinc	74		1.2	0.39	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Potassium	1700		31	5.1	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	1
Sodium	2000	B	62	8.2	mg/Kg	☼	10/27/15 18:06	10/29/15 02:25	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		10/28/15 10:00	10/28/15 22:11	1
Barium	0.28	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:11	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:11	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Date Collected: 10/22/15 11:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Copper	0.010	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Iron	0.30		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:11	1
Magnesium	32		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:11	1
Manganese	4.1		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Nickel	0.012	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Potassium	2.3	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:11	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:11	1
Zinc	0.057	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Barium	0.25	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:03	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:03	1
Calcium	27	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:03	1
Chromium	0.032		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Copper	0.031		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Iron	31		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:03	1
Lead	0.030		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:03	1
Magnesium	11	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:03	1
Manganese	0.39		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Nickel	0.032		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Potassium	8.3	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:03	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Vanadium	0.062		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:03	1
Zinc	0.36	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 02:03	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		10/28/15 10:00	11/04/15 12:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:24	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B27 (0-3)

Lab Sample ID: 500-102977-14

Date Collected: 10/22/15 11:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 78.0

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		10/28/15 17:30	10/29/15 13:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.021	0.0072	mg/Kg	☼	10/27/15 16:00	10/28/15 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.20	J	0.61	0.20	mg/Kg	☼	10/26/15 21:00	10/26/15 23:16	1
pH	7.43		0.200	0.200	SU			10/29/15 15:58	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

Date Collected: 10/22/15 11:35

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.024		0.024	0.0046	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Benzene	<0.0059		0.0059	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Bromodichloromethane	<0.0059		0.0059	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Bromoform	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Bromomethane	<0.0059		0.0059	0.0022	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
2-Butanone (MEK)	<0.0059		0.0059	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Carbon disulfide	<0.0059		0.0059	0.0022	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Carbon tetrachloride	<0.0059		0.0059	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Chlorobenzene	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Chloroethane	<0.0059		0.0059	0.0025	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Chloroform	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Chloromethane	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
cis-1,2-Dichloroethene	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
cis-1,3-Dichloropropene	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Dibromochloromethane	<0.0059		0.0059	0.00068	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,1-Dichloroethane	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,2-Dichloroethane	<0.0059		0.0059	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,1-Dichloroethene	<0.0059		0.0059	0.0022	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,2-Dichloropropane	<0.0059		0.0059	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,3-Dichloropropene, Total	<0.0059		0.0059	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Ethylbenzene	<0.0059		0.0059	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
2-Hexanone	<0.0059		0.0059	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Methylene Chloride	<0.0059		0.0059	0.0045	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
4-Methyl-2-pentanone (MIBK)	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Methyl tert-butyl ether	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Styrene	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,1,2,2-Tetrachloroethane	<0.0059		0.0059	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Tetrachloroethene	<0.0059		0.0059	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Toluene	<0.0059		0.0059	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
trans-1,2-Dichloroethene	<0.0059		0.0059	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
trans-1,3-Dichloropropene	<0.0059		0.0059	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,1,1-Trichloroethane	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
1,1,2-Trichloroethane	<0.0059		0.0059	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Trichloroethene	<0.0059		0.0059	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Vinyl acetate	<0.0059		0.0059	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Vinyl chloride	<0.0059		0.0059	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1
Xylenes, Total	<0.012		0.012	0.0022	mg/Kg	☼	10/23/15 09:35	10/28/15 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122	10/23/15 09:35	10/28/15 12:23	1
Dibromofluoromethane	99		75 - 120	10/23/15 09:35	10/28/15 12:23	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/23/15 09:35	10/28/15 12:23	1
Toluene-d8 (Surr)	114		75 - 122	10/23/15 09:35	10/28/15 12:23	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	☼	10/28/15 07:19	10/30/15 21:14	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Benzo[a]anthracene	0.034	J	0.039	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

Date Collected: 10/22/15 11:35

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4-Chloroaniline	<0.79		0.79	0.19	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Chrysene	0.040		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Fluoranthene	0.060		0.039	0.0073	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Indeno[1,2,3-cd]pyrene	0.014	J	0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Methylnaphthalene	0.0085	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2-Nitrophenol	<0.39	*	0.39	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

Date Collected: 10/22/15 11:35

Matrix: Solid

Date Received: 10/23/15 08:50

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	☼	10/28/15 07:19	10/30/15 21:14	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Phenanthrene	0.042		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
Pyrene	0.062		0.039	0.0078	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	10/28/15 07:19	10/30/15 21:14	1
2-Fluorophenol	106		25 - 110	10/28/15 07:19	10/30/15 21:14	1
Nitrobenzene-d5	87		25 - 115	10/28/15 07:19	10/30/15 21:14	1
Phenol-d5	99		31 - 110	10/28/15 07:19	10/30/15 21:14	1
Terphenyl-d14	126		36 - 134	10/28/15 07:19	10/30/15 21:14	1
2,4,6-Tribromophenol	98		35 - 137	10/28/15 07:19	10/30/15 21:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	1.1	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Arsenic	22		0.57	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Barium	59		0.57	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Beryllium	0.70		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Cadmium	0.52	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Chromium	15	B	0.57	0.099	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Copper	33	B	0.57	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Iron	28000		11	4.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Lead	31		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Magnesium	15000		5.7	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Calcium	25000		11	3.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Manganese	310		0.57	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Nickel	34		0.57	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Selenium	0.61		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 04:49	1
Vanadium	22		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Zinc	79		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Potassium	1700		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	1
Sodium	1800	B	57	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:30	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		10/28/15 10:00	10/28/15 22:16	1
Barium	0.47	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:16	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:16	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

Date Collected: 10/22/15 11:35

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Cobalt	0.019	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:16	1
Magnesium	42		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:16	1
Manganese	5.3		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Nickel	0.016	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Potassium	3.0	B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:16	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:16	1
Zinc	0.38		0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Barium	0.41	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:09	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:09	1
Calcium	45	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:09	1
Chromium	0.049		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Cobalt	0.028		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Copper	0.095		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Iron	48		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:09	1
Lead	0.087		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:09	1
Magnesium	19	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:09	1
Manganese	1.4		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Nickel	0.064		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Potassium	16	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:09	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Vanadium	0.082		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:09	1
Zinc	0.19	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 02:09	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		10/28/15 10:00	11/04/15 12:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:19	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:26	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B28 (0-3)

Lab Sample ID: 500-102977-15

Date Collected: 10/22/15 11:35

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.3

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		10/28/15 17:30	10/29/15 13:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0066	mg/Kg	☼	10/27/15 16:00	10/28/15 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/27/15 18:45	10/27/15 20:58	1
pH	8.28		0.200	0.200	SU			10/29/15 16:01	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Date Collected: 10/22/15 11:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0039	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Benzene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Bromodichloromethane	<0.0051		0.0051	0.00085	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Bromoform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
2-Butanone (MEK)	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Carbon disulfide	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Carbon tetrachloride	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Chlorobenzene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Chloroethane	<0.0051		0.0051	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Chloroform	<0.0051		0.0051	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Chloromethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Dibromochloromethane	<0.0051		0.0051	0.00058	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,1-Dichloroethane	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,2-Dichloroethane	<0.0051		0.0051	0.00075	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,1-Dichloroethene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,2-Dichloropropane	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,3-Dichloropropane, Total	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Ethylbenzene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Methylene Chloride	<0.0051		0.0051	0.0038	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Methyl tert-butyl ether	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Styrene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.00080	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Tetrachloroethene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Toluene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Trichloroethene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Vinyl acetate	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Vinyl chloride	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 12:48	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/28/15 12:48	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/23/15 09:35	10/28/15 12:48	1
Toluene-d8 (Surr)	114		75 - 122	10/23/15 09:35	10/28/15 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	0.0070	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Benzo[a]anthracene	0.013	J	0.039	0.0053	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Date Collected: 10/22/15 11:25

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.024	J	0.039	0.0076	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Benzo[b]fluoranthene	0.026	J	0.039	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Benzo[k]fluoranthene	0.015	J	0.039	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Chrysene	0.027	J	0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Fluoranthene	0.038	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Methylnaphthalene	0.0078	J	0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2-Nitrophenol	<0.39	*	0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Date Collected: 10/22/15 11:25

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.79		0.79	0.37	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Phenanthrene	0.027	J	0.039	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
Pyrene	0.039		0.039	0.0078	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/28/15 07:19	10/30/15 21:40	1
2-Fluorophenol	89		25 - 110	10/28/15 07:19	10/30/15 21:40	1
Nitrobenzene-d5	86		25 - 115	10/28/15 07:19	10/30/15 21:40	1
Phenol-d5	82		31 - 110	10/28/15 07:19	10/30/15 21:40	1
Terphenyl-d14	120		36 - 134	10/28/15 07:19	10/30/15 21:40	1
2,4,6-Tribromophenol	69		35 - 137	10/28/15 07:19	10/30/15 21:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Arsenic	9.5		0.58	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Barium	42		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Beryllium	0.67		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Cadmium	0.36	B	0.12	0.034	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Chromium	17	B	0.58	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Cobalt	15		0.29	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Copper	29	B	0.58	0.13	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Iron	20000		12	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Lead	30		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Magnesium	25000		5.8	2.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Calcium	54000		120	37	mg/Kg	☼	10/27/15 18:06	10/30/15 05:07	10
Manganese	380		0.58	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Nickel	34		0.58	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Selenium	0.46	J	0.58	0.29	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/27/15 18:06	10/30/15 04:54	1
Vanadium	21		0.29	0.085	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Zinc	75		1.2	0.37	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Potassium	2100		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1
Sodium	1500	B	58	7.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:35	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Barium	0.44	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:29	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Date Collected: 10/22/15 11:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	340		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Cobalt	0.024	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Copper	0.011	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Iron	0.24		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:29	1
Magnesium	58		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:29	1
Manganese	5.0		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Nickel	0.018	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Potassium	2.5	B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:29	1
Selenium	0.020	J	0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:29	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:29	1
Zinc	0.059	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Barium	0.38	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:16	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:16	1
Calcium	41	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:16	1
Chromium	0.062		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Cobalt	0.034		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Copper	0.12		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Iron	70		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:16	1
Lead	0.14		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:16	1
Magnesium	21	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:16	1
Manganese	1.4		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Nickel	0.085		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Potassium	17	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:16	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Vanadium	0.099		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:16	1
Zinc	0.36	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:21	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B29 (0-3)

Lab Sample ID: 500-102977-16

Date Collected: 10/22/15 11:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 82.5

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		10/28/15 17:30	10/29/15 13:24	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.52		0.52	0.17	mg/Kg	☼	10/27/15 18:45	10/27/15 20:58	1
pH	8.32		0.200	0.200	SU			10/29/15 16:03	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Date Collected: 10/22/15 11:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.033		0.022	0.0042	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Benzene	<0.0054		0.0054	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Bromodichloromethane	<0.0054		0.0054	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Bromoform	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
2-Butanone (MEK)	<0.0054		0.0054	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Carbon disulfide	<0.0054		0.0054	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Carbon tetrachloride	<0.0054		0.0054	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Chlorobenzene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Chloroethane	<0.0054		0.0054	0.0023	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Chloroform	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Chloromethane	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
cis-1,2-Dichloroethene	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
cis-1,3-Dichloropropene	<0.0054		0.0054	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Dibromochloromethane	<0.0054		0.0054	0.00062	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,1-Dichloroethane	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,2-Dichloroethane	<0.0054		0.0054	0.00081	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,1-Dichloroethene	<0.0054		0.0054	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,2-Dichloropropane	<0.0054		0.0054	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,3-Dichloropropane, Total	<0.0054		0.0054	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Ethylbenzene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Methylene Chloride	<0.0054		0.0054	0.0041	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
4-Methyl-2-pentanone (MIBK)	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Methyl tert-butyl ether	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Styrene	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,1,2,2-Tetrachloroethane	<0.0054		0.0054	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Tetrachloroethene	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Toluene	<0.0054		0.0054	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
trans-1,2-Dichloroethene	<0.0054		0.0054	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
trans-1,3-Dichloropropene	<0.0054		0.0054	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,1,1-Trichloroethane	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
1,1,2-Trichloroethane	<0.0054		0.0054	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Trichloroethene	<0.0054		0.0054	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Vinyl acetate	<0.0054		0.0054	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Vinyl chloride	<0.0054		0.0054	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1
Xylenes, Total	<0.011		0.011	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 13:13	1
Dibromofluoromethane	103		75 - 120	10/23/15 09:35	10/28/15 13:13	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/23/15 09:35	10/28/15 13:13	1
Toluene-d8 (Surr)	112		75 - 122	10/23/15 09:35	10/28/15 13:13	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	☼	10/28/15 07:19	10/30/15 22:06	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Benzo[a]anthracene	0.014	J	0.037	0.0050	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Date Collected: 10/22/15 11:10

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Benzo[b]fluoranthene	0.031	J	0.037	0.0081	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Chrysene	0.016	J	0.037	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Fluoranthene	0.027	J	0.037	0.0069	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Fluorene	0.0096	J	0.037	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2-Nitrophenol	<0.37	*	0.37	0.088	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Date Collected: 10/22/15 11:10

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.36	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Phenanthrene	0.035	J	0.037	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
Pyrene	0.033	J	0.037	0.0074	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		25 - 119	10/28/15 07:19	10/30/15 22:06	1
2-Fluorophenol	91		25 - 110	10/28/15 07:19	10/30/15 22:06	1
Nitrobenzene-d5	90		25 - 115	10/28/15 07:19	10/30/15 22:06	1
Phenol-d5	80		31 - 110	10/28/15 07:19	10/30/15 22:06	1
Terphenyl-d14	134		36 - 134	10/28/15 07:19	10/30/15 22:06	1
2,4,6-Tribromophenol	75		35 - 137	10/28/15 07:19	10/30/15 22:06	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	☼	10/27/15 18:06	10/29/15 02:40	1
Arsenic	11		0.57	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Barium	42		0.57	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Beryllium	0.69		0.23	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Cadmium	0.35	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Chromium	15	B	0.57	0.097	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Cobalt	14		0.28	0.064	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Copper	32	B	0.57	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Iron	21000		11	4.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Lead	26		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Magnesium	18000		5.7	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Calcium	31000		11	3.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Manganese	310		0.57	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Nickel	35		0.57	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Selenium	0.73		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 05:12	1
Vanadium	20		0.28	0.083	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Zinc	73		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Potassium	2000		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	1
Sodium	1400	B	57	7.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:40	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		10/28/15 10:00	10/28/15 22:35	1
Barium	0.51		0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:35	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Date Collected: 10/22/15 11:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	350		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Iron	0.21		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:35	1
Magnesium	53		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:35	1
Manganese	5.5		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Nickel	0.016	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Potassium	2.8	B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:35	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:35	1
Zinc	0.057	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.092		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Barium	0.67		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:23	1
Beryllium	0.0076		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:23	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:23	1
Calcium	48	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:23	1
Chromium	0.16		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Cobalt	0.080		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Copper	0.29		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Iron	190		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:23	1
Lead	0.20		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:23	1
Magnesium	40	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:23	1
Manganese	2.2		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Nickel	0.22		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Potassium	39	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:23	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Vanadium	0.23		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:23	1
Zinc	0.50	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:00	11/04/15 12:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:22	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:16	1
Thallium	0.0043		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:30	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B30 (0-3)

Lab Sample ID: 500-102977-17

Date Collected: 10/22/15 11:10

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.8

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		10/28/15 17:30	10/29/15 13:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/27/15 18:45	10/27/15 20:59	1
pH	8.38		0.200	0.200	SU			10/29/15 16:05	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Date Collected: 10/22/15 11:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0040	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Benzene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Bromodichloromethane	<0.0051		0.0051	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Bromoform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
2-Butanone (MEK)	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Carbon disulfide	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Carbon tetrachloride	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Chlorobenzene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Chloroethane	<0.0051		0.0051	0.0021	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Chloroform	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Chloromethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
cis-1,2-Dichloroethene	<0.0051		0.0051	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
cis-1,3-Dichloropropene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Dibromochloromethane	<0.0051		0.0051	0.00059	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,1-Dichloroethane	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,2-Dichloroethane	<0.0051		0.0051	0.00076	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,1-Dichloroethene	<0.0051		0.0051	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,2-Dichloropropane	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,3-Dichloropropane, Total	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Ethylbenzene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Methylene Chloride	<0.0051		0.0051	0.0039	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Methyl tert-butyl ether	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Styrene	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,1,2,2-Tetrachloroethane	<0.0051		0.0051	0.00081	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Tetrachloroethene	<0.0051		0.0051	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Toluene	<0.0051		0.0051	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
trans-1,2-Dichloroethene	<0.0051		0.0051	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
trans-1,3-Dichloropropene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,1,1-Trichloroethane	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
1,1,2-Trichloroethane	<0.0051		0.0051	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Trichloroethene	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Vinyl acetate	<0.0051		0.0051	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Vinyl chloride	<0.0051		0.0051	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1
Xylenes, Total	<0.010		0.010	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/23/15 09:35	10/28/15 13:38	1
Dibromofluoromethane	99		75 - 120	10/23/15 09:35	10/28/15 13:38	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/23/15 09:35	10/28/15 13:38	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/28/15 13:38	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	☼	10/28/15 07:19	10/30/15 22:32	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Date Collected: 10/22/15 11:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.5

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	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Methylnaphthalene	<0.039		0.039	0.0071	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2-Nitrophenol	<0.39	*	0.39	0.092	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Date Collected: 10/22/15 11:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.5

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	☼	10/28/15 07:19	10/30/15 22:32	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.047	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/28/15 07:19	10/30/15 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		25 - 119	10/28/15 07:19	10/30/15 22:32	1
2-Fluorophenol	81		25 - 110	10/28/15 07:19	10/30/15 22:32	1
Nitrobenzene-d5	91		25 - 115	10/28/15 07:19	10/30/15 22:32	1
Phenol-d5	79		31 - 110	10/28/15 07:19	10/30/15 22:32	1
Terphenyl-d14	117		36 - 134	10/28/15 07:19	10/30/15 22:32	1
2,4,6-Tribromophenol	78		35 - 137	10/28/15 07:19	10/30/15 22:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.1	0.24	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Arsenic	8.8		0.57	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Barium	100		0.57	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Beryllium	0.83		0.23	0.050	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Cadmium	0.32	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Chromium	20	B	0.57	0.098	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Cobalt	14		0.29	0.065	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Copper	24	B	0.57	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Iron	24000		11	4.4	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Lead	17		0.29	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Magnesium	4900		5.7	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Calcium	3300		11	3.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Manganese	490		0.57	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Nickel	35		0.57	0.16	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Selenium	0.44	J	0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 05:17	1
Vanadium	28		0.29	0.084	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Zinc	65		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Potassium	1400		29	4.7	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	1
Sodium	1600	B	57	7.6	mg/Kg	☼	10/27/15 18:06	10/29/15 02:45	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		10/28/15 10:00	10/28/15 22:40	1
Barium	0.32	J	0.50	0.050	mg/L		10/28/15 10:00	10/28/15 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 10:00	10/28/15 22:40	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		10/28/15 10:00	10/28/15 22:40	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Date Collected: 10/22/15 11:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Cobalt	0.021	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Copper	0.010	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Iron	0.28		0.20	0.20	mg/L		10/28/15 10:00	10/28/15 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:00	10/28/15 22:40	1
Magnesium	70		2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:40	1
Manganese	6.4		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Nickel	0.013	J	0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Potassium	1.3	J B	2.5	0.50	mg/L		10/28/15 10:00	10/28/15 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 10:00	10/28/15 22:40	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:00	10/28/15 22:40	1
Zinc	0.051	J	0.10	0.020	mg/L		10/28/15 10:00	10/28/15 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Barium	1.2		0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:30	1
Beryllium	0.013		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:30	1
Cadmium	0.0020	J ^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:30	1
Calcium	56	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:30	1
Chromium	0.32		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Cobalt	0.11		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Copper	0.33		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Iron	330		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:30	1
Lead	0.12		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:30	1
Magnesium	58	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:30	1
Manganese	4.5		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Nickel	0.35		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Potassium	42	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:30	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Vanadium	0.47		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:30	1
Zinc	0.81	B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 02:30	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		10/28/15 10:00	11/04/15 12:23	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:00	11/04/15 12:23	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:17	1
Thallium	0.0054		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00021		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-B31 (0-3)

Lab Sample ID: 500-102977-18

Date Collected: 10/22/15 11:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 81.5

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		10/28/15 17:30	10/29/15 13:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/27/15 18:45	10/27/15 20:59	1
pH	8.25		0.200	0.200	SU			10/29/15 16:08	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-G01

Lab Sample ID: 500-102977-19

Date Collected: 10/22/15 16:05

Matrix: Water

Date Received: 10/23/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			10/30/15 14:41	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/30/15 14:41	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/30/15 14:41	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/30/15 14:41	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			10/30/15 14:41	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/30/15 14:41	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/30/15 14:41	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/30/15 14:41	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			10/30/15 14:41	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			10/30/15 14:41	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/30/15 14:41	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/30/15 14:41	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/30/15 14:41	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/30/15 14:41	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/30/15 14:41	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/30/15 14:41	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/30/15 14:41	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/30/15 14:41	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/30/15 14:41	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/30/15 14:41	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/30/15 14:41	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/30/15 14:41	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/30/15 14:41	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/30/15 14:41	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/30/15 14:41	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/30/15 14:41	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/30/15 14:41	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/30/15 14:41	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/30/15 14:41	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/30/15 14:41	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/30/15 14:41	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/30/15 14:41	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/30/15 14:41	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/30/15 14:41	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			10/30/15 14:41	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			10/30/15 14:41	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/30/15 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 120		10/30/15 14:41	1
Dibromofluoromethane	99		75 - 120		10/30/15 14:41	1
1,2-Dichloroethane-d4 (Surr)	83		75 - 125		10/30/15 14:41	1
Toluene-d8 (Surr)	94		75 - 120		10/30/15 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/29/15 13:35	1
Acenaphthylene	<0.00073		0.00073	0.00019	mg/L		10/27/15 08:00	10/29/15 13:35	1
Anthracene	<0.00073		0.00073	0.00024	mg/L		10/27/15 08:00	10/29/15 13:35	1
Benzo[a]anthracene	<0.00012		0.00012	0.000041	mg/L		10/27/15 08:00	10/29/15 13:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-G01

Lab Sample ID: 500-102977-19

Date Collected: 10/22/15 16:05

Matrix: Water

Date Received: 10/23/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.00015		0.00015	0.000072	mg/L		10/27/15 08:00	10/29/15 13:35	1
Benzo[b]fluoranthene	<0.00015		0.00015	0.000059	mg/L		10/27/15 08:00	10/29/15 13:35	1
Benzo[g,h,i]perylene	<0.00073		0.00073	0.00027	mg/L		10/27/15 08:00	10/29/15 13:35	1
Benzo[k]fluoranthene	<0.00015		0.00015	0.000046	mg/L		10/27/15 08:00	10/29/15 13:35	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00021	mg/L		10/27/15 08:00	10/29/15 13:35	1
Bis(2-chloroethyl)ether	<0.0015		0.0015	0.00021	mg/L		10/27/15 08:00	10/29/15 13:35	1
Bis(2-ethylhexyl) phthalate	<0.0073		0.0073	0.0012	mg/L		10/27/15 08:00	10/29/15 13:35	1
4-Bromophenyl phenyl ether	<0.0036		0.0036	0.00039	mg/L		10/27/15 08:00	10/29/15 13:35	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00035	mg/L		10/27/15 08:00	10/29/15 13:35	1
Carbazole	<0.0036		0.0036	0.00026	mg/L		10/27/15 08:00	10/29/15 13:35	1
4-Chloroaniline	<0.0073		0.0073	0.0015	mg/L		10/27/15 08:00	10/29/15 13:35	1
4-Chloro-3-methylphenol	<0.0073		0.0073	0.0017	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Chloronaphthalene	<0.0015		0.0015	0.00017	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Chlorophenol	<0.0036		0.0036	0.00041	mg/L		10/27/15 08:00	10/29/15 13:35	1
4-Chlorophenyl phenyl ether	<0.0036		0.0036	0.00046	mg/L		10/27/15 08:00	10/29/15 13:35	1
Chrysene	0.00015	J	0.00036	0.000049	mg/L		10/27/15 08:00	10/29/15 13:35	1
Dibenz(a,h)anthracene	<0.00022		0.00022	0.000037	mg/L		10/27/15 08:00	10/29/15 13:35	1
Dibenzofuran	<0.0015		0.0015	0.00019	mg/L		10/27/15 08:00	10/29/15 13:35	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/27/15 08:00	10/29/15 13:35	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00015	mg/L		10/27/15 08:00	10/29/15 13:35	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00015	mg/L		10/27/15 08:00	10/29/15 13:35	1
3,3'-Dichlorobenzidine	<0.0036		0.0036	0.0012	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4-Dichlorophenol	<0.0073		0.0073	0.0019	mg/L		10/27/15 08:00	10/29/15 13:35	1
Diethyl phthalate	<0.0015		0.0015	0.00026	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4-Dimethylphenol	<0.0073		0.0073	0.0013	mg/L		10/27/15 08:00	10/29/15 13:35	1
Dimethyl phthalate	<0.0015		0.0015	0.00023	mg/L		10/27/15 08:00	10/29/15 13:35	1
Di-n-butyl phthalate	<0.0036		0.0036	0.00053	mg/L		10/27/15 08:00	10/29/15 13:35	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0043	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4-Dinitrophenol	<0.015		0.015	0.0062	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4-Dinitrotoluene	<0.00073		0.00073	0.00018	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,6-Dinitrotoluene	<0.00036		0.00036	0.000054	mg/L		10/27/15 08:00	10/29/15 13:35	1
Di-n-octyl phthalate	<0.0073		0.0073	0.00076	mg/L		10/27/15 08:00	10/29/15 13:35	1
Fluoranthene	<0.00073		0.00073	0.00033	mg/L		10/27/15 08:00	10/29/15 13:35	1
Fluorene	<0.00073		0.00073	0.00018	mg/L		10/27/15 08:00	10/29/15 13:35	1
Hexachlorobenzene	<0.00036		0.00036	0.000058	mg/L		10/27/15 08:00	10/29/15 13:35	1
Hexachlorobutadiene	<0.0036		0.0036	0.00037	mg/L		10/27/15 08:00	10/29/15 13:35	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0046	mg/L		10/27/15 08:00	10/29/15 13:35	1
Hexachloroethane	<0.0036		0.0036	0.00043	mg/L		10/27/15 08:00	10/29/15 13:35	1
Indeno[1,2,3-cd]pyrene	<0.00015		0.00015	0.000054	mg/L		10/27/15 08:00	10/29/15 13:35	1
Isophorone	<0.0015		0.0015	0.00027	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Methylnaphthalene	<0.00036		0.00036	0.000047	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Methylphenol	<0.0015		0.0015	0.00022	mg/L		10/27/15 08:00	10/29/15 13:35	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00033	mg/L		10/27/15 08:00	10/29/15 13:35	1
Naphthalene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Nitroaniline	<0.0036		0.0036	0.00094	mg/L		10/27/15 08:00	10/29/15 13:35	1
3-Nitroaniline	<0.0073		0.0073	0.0013	mg/L		10/27/15 08:00	10/29/15 13:35	1
4-Nitroaniline	<0.0073		0.0073	0.0012	mg/L		10/27/15 08:00	10/29/15 13:35	1
Nitrobenzene	<0.00073		0.00073	0.00033	mg/L		10/27/15 08:00	10/29/15 13:35	1
2-Nitrophenol	<0.0073		0.0073	0.0018	mg/L		10/27/15 08:00	10/29/15 13:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-G01

Lab Sample ID: 500-102977-19

Date Collected: 10/22/15 16:05

Matrix: Water

Date Received: 10/23/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.015		0.015	0.0054	mg/L		10/27/15 08:00	10/29/15 13:35	1
N-Nitrosodi-n-propylamine	<0.00036		0.00036	0.00011	mg/L		10/27/15 08:00	10/29/15 13:35	1
N-Nitrosodiphenylamine	<0.00073		0.00073	0.00027	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00028	mg/L		10/27/15 08:00	10/29/15 13:35	1
Pentachlorophenol	<0.015		0.015	0.0029	mg/L		10/27/15 08:00	10/29/15 13:35	1
Phenanthrene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/29/15 13:35	1
Phenol	<0.0036		0.0036	0.00049	mg/L		10/27/15 08:00	10/29/15 13:35	1
Pyrene	<0.00073		0.00073	0.00031	mg/L		10/27/15 08:00	10/29/15 13:35	1
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00017	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4,5-Trichlorophenol	<0.0073		0.0073	0.0019	mg/L		10/27/15 08:00	10/29/15 13:35	1
2,4,6-Trichlorophenol	<0.0036		0.0036	0.00052	mg/L		10/27/15 08:00	10/29/15 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		41 - 132	10/27/15 08:00	10/29/15 13:35	1
2-Fluorophenol	74		32 - 110	10/27/15 08:00	10/29/15 13:35	1
Nitrobenzene-d5	97		47 - 134	10/27/15 08:00	10/29/15 13:35	1
Phenol-d5	59		25 - 100	10/27/15 08:00	10/29/15 13:35	1
Terphenyl-d14	80		59 - 150	10/27/15 08:00	10/29/15 13:35	1
2,4,6-Tribromophenol	105		53 - 150	10/27/15 08:00	10/29/15 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0023	J	0.0030	0.0010	mg/L		10/26/15 10:30	10/27/15 16:33	1
Arsenic	0.030		0.0010	0.00044	mg/L		10/26/15 10:30	10/30/15 14:16	1
Barium	0.43		0.0025	0.00084	mg/L		10/26/15 10:30	10/27/15 16:33	1
Beryllium	0.00090	J	0.0010	0.00024	mg/L		10/26/15 10:30	10/27/15 16:33	1
Cadmium	0.0026		0.00050	0.00019	mg/L		10/26/15 10:30	10/27/15 16:33	1
Calcium	890		4.0	2.1	mg/L		10/26/15 10:30	10/28/15 17:31	20
Chromium	0.0090		0.0050	0.00061	mg/L		10/26/15 10:30	10/27/15 16:33	1
Cobalt	0.015		0.0010	0.00019	mg/L		10/26/15 10:30	10/27/15 16:33	1
Copper	0.060		0.0020	0.00096	mg/L		10/26/15 10:30	11/02/15 12:03	1
Iron	32		0.10	0.026	mg/L		10/26/15 10:30	10/27/15 16:33	1
Lead	0.052		0.00050	0.00014	mg/L		10/26/15 10:30	10/27/15 16:33	1
Magnesium	400		2.0	0.83	mg/L		10/26/15 10:30	11/02/15 12:06	10
Manganese	2.3		0.0025	0.00099	mg/L		10/26/15 10:30	10/27/15 16:33	1
Nickel	0.026		0.0020	0.00053	mg/L		10/26/15 10:30	10/27/15 16:33	1
Potassium	16		0.50	0.19	mg/L		10/26/15 10:30	10/27/15 16:33	1
Selenium	0.0021	J	0.0025	0.00083	mg/L		10/26/15 10:30	10/27/15 16:33	1
Silver	<0.00050		0.00050	0.000080	mg/L		10/26/15 10:30	10/27/15 16:33	1
Sodium	2500		100	44	mg/L		10/26/15 10:30	11/02/15 16:21	500
Thallium	0.00084	J	0.0020	0.00059	mg/L		10/26/15 10:30	10/27/15 16:33	1
Vanadium	0.011	B	0.0050	0.0022	mg/L		10/26/15 10:30	10/30/15 14:16	1
Zinc	0.14		0.020	0.0046	mg/L		10/26/15 10:30	10/27/15 16:33	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00032		0.00020	0.000061	mg/L		10/26/15 08:30	10/26/15 11:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: 2678-24-G01

Lab Sample ID: 500-102977-19

Date Collected: 10/22/15 16:05

Matrix: Water

Date Received: 10/23/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0043	J	0.010	0.0021	mg/L		10/30/15 14:40	10/30/15 16:45	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-102977-20

Date Collected: 10/22/15 00:00

Matrix: Water

Date Received: 10/23/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			10/30/15 15:07	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/30/15 15:07	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:07	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/30/15 15:07	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			10/30/15 15:07	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/30/15 15:07	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/30/15 15:07	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:07	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			10/30/15 15:07	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:07	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/30/15 15:07	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/30/15 15:07	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/30/15 15:07	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/30/15 15:07	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/30/15 15:07	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:07	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:07	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/30/15 15:07	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/30/15 15:07	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/30/15 15:07	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/30/15 15:07	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/30/15 15:07	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/30/15 15:07	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/30/15 15:07	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:07	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:07	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/30/15 15:07	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:07	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/30/15 15:07	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/30/15 15:07	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/30/15 15:07	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/30/15 15:07	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/30/15 15:07	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/30/15 15:07	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			10/30/15 15:07	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			10/30/15 15:07	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/30/15 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 120		10/30/15 15:07	1
Dibromofluoromethane	97		75 - 120		10/30/15 15:07	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		10/30/15 15:07	1
Toluene-d8 (Surr)	94		75 - 120		10/30/15 15:07	1

TestAmerica Chicago

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

Qualifiers

GC/MS Semi VOA

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

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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-1

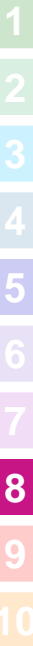
Laboratory: TestAmerica Chicago

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

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

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

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



TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.1



500-102977 COC

Report To (optional)
Contact: Math Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: math.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: 2, 7, 3, 2, 2, 8

Client		Client Project #		Preservative		Parameter		Total 24 Inorganics		Total 24 Inorganics		pH		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
Project Name		Lab Project #		Containers		Matrix		Total 24 Inorganics		Total 24 Inorganics		pH		
Project Location/State		Lab Project #		Containers		Matrix		Total 24 Inorganics		Total 24 Inorganics		pH		Comments
Sampler		Lab PM		Containers		Matrix		Total 24 Inorganics		Total 24 Inorganics		pH		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	UOCS	SVOCs	Total 24 Inorganics	Total 24 Inorganics	Total 24 Inorganics	Total 24 Inorganics	pH	Comments
1		2678-24-B16 (0-6)	10/22/15	2:45	6 S	S	✓	✓	✓	✓	✓	✓	✓	
2		2678-24-B16 (6-13)	10/22/15	2:50	6 S	S	✓	✓	✓	✓	✓	✓	✓	
3		2678-24-B17 (0-3)	10/22/15	2:30	6 S	S	✓	✓	✓	✓	✓	✓	✓	
4		2678-24-B18 (0-3)	10/22/15	2:20	6 S	S	✓	✓	✓	✓	✓	✓	✓	
5		2678-24-B19 (0-3)	10/22/15	2:10	6 S	S	✓	✓	✓	✓	✓	✓	✓	
6		2678-24-B20 (0-3)	10/22/15	1:55	6 S	S	✓	✓	✓	✓	✓	✓	✓	
7		2678-24-B21 (0-3)	10/22/15	1:45	6 S	S	✓	✓	✓	✓	✓	✓	✓	
8		2678-24-B22 (0-3)	10/22/15	1:25	6 S	S	✓	✓	✓	✓	✓	✓	✓	
9		2678-24-B22 (0-3) Dup	10/22/15	1:30	6 S	S	✓	✓	✓	✓	✓	✓	✓	
10		2678-24-B23 (0-3)	10/22/15	1:15	6 S	S	✓	✓	✓	✓	✓	✓	✓	

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 <u>Chad Kelly</u> Company <u>Terracon</u> Date <u>10/23/15</u> Time <u>7:45</u>	Received By <u>Michael Lipscomb</u> Company <u>TA</u> Date <u>10/23/15</u> Time <u>0745</u>
Relinquished By <u>David Lipscomb</u> Company <u>TA</u> Date <u>10/23/15</u> Time <u>0850</u>	Received By <u>Shawn Brown</u> Company <u>TA-CHE</u> Date <u>10/23/15</u> Time <u>0850</u>

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments
Please meet IL TACO Requirements
& do NOT run Aluminum analysis.
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 175 Ambassador Dr.
Address: Mareville, IL 60540
Phone: 630-717-4263
Fax: 630-357-9489
E-Mail: matt.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key		
Project Name		1157103																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		
Project Location/State		Lab Project #																		
Schanburg, IL																				
Sampler		Lab PM																		
Chad Kelley																				
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total 24 Inorganics	TCUP 24 Inorganics	SPLP 24 Inorganics	pH							Comments	
11		2678-24-B24 (0-3)	10/22/15	1:05	6	S	✓	✓	✓	✓	✓	✓								
12		2678-24-B25 (0-3)	10/22/15	12:15	6	S	✓	✓	✓	✓	✓	✓								
13		2678-24-B26 (0-3)	10/22/15	12:00	6	S	✓	✓	✓	✓	✓	✓								
14		2678-24-B27 (0-3)	10/22/15	11:50	6	S	✓	✓	✓	✓	✓	✓								
15		2678-24-B28 (0-3)	10/22/15	11:35	6	S	✓	✓	✓	✓	✓	✓								
16		2678-24-B29 (0-3)	10/22/15	11:25	6	S	✓	✓	✓	✓	✓	✓								
17		2678-24-B30 (0-3)	10/22/15	11:10	6	S	✓	✓	✓	✓	✓	✓								
18		2678-24-B31 (0-3)	10/22/15	11:00	6	S	✓	✓	✓	✓	✓	✓								

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 <u>Chad Kelley</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>2:45</u>	Received By <u>David LeClair</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>2:45</u>
Relinquished By <u>David LeClair</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0830</u>	Received By <u>Shirley Scott</u>	Company <u>TA-CHE</u>	Date <u>10/23/15</u>	Time <u>0850</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

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

Client Comments
Please meet IL TACO requirements
& do NOT run Ammonium analysis.
Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 A. Susseder Dr.
 Address: Naperville, IL 60540
 Phone: 630-717-4263
 Fax: 630-357-9489
 E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977
 Chain of Custody Number: _____
 Page _____ of _____
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		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	
Project Name		Lab Project #		Matrix		Matrix		Matrix			
Project Location/State		Lab Project #		Matrix		Matrix		Matrix			
Sampler		Lab PM		Matrix		Matrix		Matrix			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Matrix	Matrix	Matrix	Matrix	Comments
19		2678-2A-601	10/23/15	4:05	6	W	✓	✓	✓		
20		Trip blank	10/23/15			W	✓				

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>7:45</u>	Received By <u>Daniel Luisini</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0745</u>	Lab Courier <u>TA</u>
Relinquished By <u>Daniel Luisini</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0850</u>	Received By <u>Shawn Scott</u>	Company <u>TA-CPE</u>	Date <u>10/23/15</u>	Time <u>0850</u>	Shipped _____
Relinquished By _____	Company _____	Date _____	Time _____	Received By _____	Company _____	Date _____	Time _____	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
Please note IL TACO requirements do not run Aluminum analysis
Thank you.

Lab Comments:

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-102977-1

Login Number: 102977

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	2.7,3.2,2.8
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.	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.	False	
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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.

You must have Adobe Acrobat Reader 8.0 or above installed to use the features on this form.

I. Source Location Information

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W Office Phone Number, if available: _____

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

Higgins Road ROW (both sides)-East of E. Frontage Rd and Higgins Rd IDOT STA 154+00 to 159+83 (ISGS Site 2678-25)

City: Schaumburg State: IL Zip Code: 60173

County: Cook Township: Schaumburg

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

Latitude: 42.03687 Longitude: -88.03104

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

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

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

Project Name: FAP 341/FAU 2959 Higgins-Lexington to I-290 E/M

Latitude: 42.03687 Longitude: -88.03104

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, B04, B06 were sampled adjacent to ISGS Site No 2678-25. See Exhibits 3, 4, 3D, 4D and Table 30 of the Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015

- 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]:

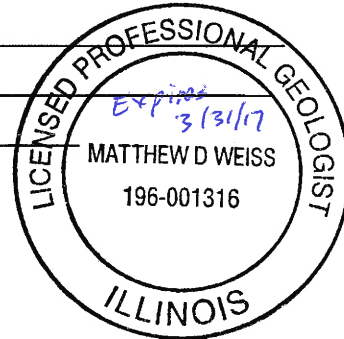
TestAmerica Lab Report No J102977-2. Also see Preliminary Site Investigation Report prepared by Terracon dated December 11, 2015. CCDD/USFO facility in MSA County.

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:

[Signature]

12/11/15

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:

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

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

Page 1 of 8

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B01 (0-5)	2678-25-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.037	<0.037
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.037	<0.037
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.037	<0.037
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.037	<0.037
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.037	<0.037
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.037	<0.037
Chrysene	mg/kg	1.2	2.7	88		<0.037	0.015
Fluoranthene	mg/kg	2.7	4.1	3100		<0.037	<0.037
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.037	<0.037
Phenanthrene	mg/kg	1.3	2.5	210		<0.037	<0.037
Pyrene	mg/kg	1.9	3.0	2300		<0.037	0.013
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.8	5.2
Barium	mg/kg	---	110	1500		35	15
Cadmium	mg/kg	---	0.6	5.2		0.31	0.26
Chromium, total	mg/kg	---	16.2	21		16	11
Lead	mg/kg	---	36	107		16	14
Mercury	mg/kg	---	0.06	0.1		0.034	0.028
Selenium	mg/kg	---	0.48	1.3		<0.55	0.57
Silver	mg/kg	---	0.55	4.4		<0.28	<0.28
Antimony	mg/kg	---	4.0	5		<1.1	0.36
Beryllium	mg/kg	---	0.59	22		0.65	0.46
Calcium	mg/kg	---	9,300	---		51000	59000
Cobalt	mg/kg	---	8.9	20		13	9.8
Copper	mg/kg	---	19.6	2900		28	28
Cyanide	mg/kg	---	0.51	---		<0.58	<0.57
Iron	mg/kg	---	15,900	15000		21000	14000
Magnesium	mg/kg	---	4,820	325000		25000	27000
Manganese	mg/kg	---	636	630		290	320
Nickel	mg/kg	---	18	100		34	25
Potassium	mg/kg	---	1,268	---		2300	1700
Sodium	mg/kg	---	130	---		690	430
Thallium	mg/kg	---	0.32	2.6		<0.55	<0.56
Vanadium	mg/kg	---	25.2	550		19	14
Zinc	mg/kg	---	95	5100		62	57
pH			6.25	9		7.97	7.97
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.011	<0.050
Barium,SPLP	mg/L	---	---	---		0.16	0.087
Beryllium,SPLP	mg/L	---	---	---		<0.0040	<0.0040
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		23	24
Chromium,SPLP	mg/L	---	---	---		0.032	<0.025
Cobalt,SPLP	mg/L	---	---	---		<0.025	<0.025
Copper,SPLP	mg/L	---	---	---		0.039	0.012
Iron,SPLP	mg/L	---	---	---		26	0.42
Lead,SPLP	mg/L	---	---	---		0.016	<0.0075
Magnesium,SPLP	mg/L	---	---	---		13	7.3
Manganese,SPLP	mg/L	---	---	---		0.12	0.043
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.036	<0.025
Potassium,SPLP	mg/L	---	---	---		11	2.6
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.04	<0.025

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

Page 2 of 8

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B01 (0-5)	2678-25-B01 (5-10)
				CCDD	Sample Depth (feet)	(0-5)	(5-10)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Zinc,SPLP	mg/L	---	---	---		0.12	0.26
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		0.011	0.01
Barium,TCLP	mg/L	---	---	---		0.42	0.25
Cadmium,TCLP	mg/L	---	---	---		<0.0050	0.0036
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	---	---	---		0.021	0.028
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	---	---	---		410	360
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.032
Copper,TCLP	mg/L	---	---	---		<0.025	0.015
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		110	58
Manganese,TCLP	mg/L	---	---	---		0.8	2.3
Nickel,TCLP	mg/L	---	---	---		<0.025	0.054
Potassium,TCLP	mg/L	---	---	---		2	3.7
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.89	0.11

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

Page 3 of 8

Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B01 (10-14)	2678-25-B02 (0-4)
				CCDD	Sample Depth (feet)	(10-14)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.038	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		0.021	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.038	<0.038
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	0.12
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		6	6.2
Barium	mg/kg	---	110	1500		42	52
Cadmium	mg/kg	---	0.6	5.2		0.13	0.19
Chromium, total	mg/kg	---	16.2	21		15	18
Lead	mg/kg	---	36	107		12	13
Mercury	mg/kg	---	0.06	0.1		0.032	0.035
Selenium	mg/kg	---	0.48	1.3		0.67	0.38
Silver	mg/kg	---	0.55	4.4		<0.30	<0.28
Antimony	mg/kg	---	4.0	5		0.29	<1.1
Beryllium	mg/kg	---	0.59	22		0.61	0.75
Calcium	mg/kg	---	9,300	---		66000	60000
Cobalt	mg/kg	---	8.9	20		12	12
Copper	mg/kg	---	19.6	2900		20	25
Cyanide	mg/kg	---	0.51	---		<0.57	<0.58
Iron	mg/kg	---	15,900	15000		18000	19000
Magnesium	mg/kg	---	4,820	325000		25000	23000
Manganese	mg/kg	---	636	630		310	310
Nickel	mg/kg	---	18	100		30	34
Potassium	mg/kg	---	1,268	---		2200	2100
Sodium	mg/kg	---	130	---		160	2200
Thallium	mg/kg	---	0.32	2.6		<0.60	<0.57
Vanadium	mg/kg	---	25.2	550		17	20
Zinc	mg/kg	---	95	5100		52	55
pH			6.25	9		8.08	8.69
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		<0.050	0.033
Barium,SPLP	mg/L	---	---	---		0.065	0.45
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0042
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		17	35
Chromium,SPLP	mg/L	---	---	---		<0.025	0.096
Cobalt,SPLP	mg/L	---	---	---		<0.025	0.026
Copper,SPLP	mg/L	---	---	---		<0.025	0.099
Iron,SPLP	mg/L	---	---	---		3.2	84
Lead,SPLP	mg/L	---	---	---		<0.0075	0.04
Magnesium,SPLP	mg/L	---	---	---		5.2	24
Manganese,SPLP	mg/L	---	---	---		0.051	0.52
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		<0.025	0.1
Potassium,SPLP	mg/L	---	---	---		4	23
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,SPLP	mg/L	---	---	---		0.012	0.13

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B01 (10-14)	2678-25-B02 (0-4)
				CCDD	Sample Depth (feet)	(10-14)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Zinc,SPLP	mg/L	---	---	---		0.095	0.26
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		0.013	0.011
Barium,TCLP	mg/L	---	---	---		0.79	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	---	---	---		0.021	0.023
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	---	---	---		550	540
Cobalt,TCLP	mg/L	---	---	---		0.013	<0.025
Copper,TCLP	mg/L	---	---	---		0.01	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		24	24
Manganese,TCLP	mg/L	---	---	---		1.9	0.51
Nickel,TCLP	mg/L	---	---	---		0.034	<0.025
Potassium,TCLP	mg/L	---	---	---		5	0.84
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.22	<0.10

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B02 (0-4) Dup	2678-25-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.038	<0.038
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	<0.038
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	<0.038
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		<0.038	<0.038
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	<0.038
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	<0.038
Chrysene	mg/kg	1.2	2.7	88		<0.038	<0.038
Fluoranthene	mg/kg	2.7	4.1	3100		<0.038	<0.038
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	<0.038
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	<0.038
Pyrene	mg/kg	1.9	3.0	2300		<0.038	<0.038
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.19
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		7	8.2
Barium	mg/kg	---	110	1500		43	32
Cadmium	mg/kg	---	0.6	5.2		0.17	0.18
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		14	13
Mercury	mg/kg	---	0.06	0.1		0.032	0.029
Selenium	mg/kg	---	0.48	1.3		0.33	0.36
Silver	mg/kg	---	0.55	4.4		<0.28	<0.29
Antimony	mg/kg	---	4.0	5		0.34	<1.2
Beryllium	mg/kg	---	0.59	22		0.68	0.71
Calcium	mg/kg	---	9,300	---		60000	57000
Cobalt	mg/kg	---	8.9	20		11	14
Copper	mg/kg	---	19.6	2900		21	24
Cyanide	mg/kg	---	0.51	---		<0.59	<0.57
Iron	mg/kg	---	15,900	15000		18000	19000
Magnesium	mg/kg	---	4,820	325000		23000	22000
Manganese	mg/kg	---	636	630		270	270
Nickel	mg/kg	---	18	100		31	32
Potassium	mg/kg	---	1,268	---		2200	2100
Sodium	mg/kg	---	130	---		1700	1300
Thallium	mg/kg	---	0.32	2.6		<0.57	<0.58
Vanadium	mg/kg	---	25.2	550		19	19
Zinc	mg/kg	---	95	5100		57	59
pH			6.25	9		8.34	8.72
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.023	0.044
Barium,SPLP	mg/L	---	---	---		0.33	0.38
Beryllium,SPLP	mg/L	---	---	---		<0.0040	0.0043
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		47	49
Chromium,SPLP	mg/L	---	---	---		0.07	0.094
Cobalt,SPLP	mg/L	---	---	---		0.02	0.025
Copper,SPLP	mg/L	---	---	---		0.074	0.11
Iron,SPLP	mg/L	---	---	---		60	87
Lead,SPLP	mg/L	---	---	---		0.031	0.04
Magnesium,SPLP	mg/L	---	---	---		23	30
Manganese,SPLP	mg/L	---	---	---		0.52	0.4
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.076	0.1
Potassium,SPLP	mg/L	---	---	---		21	27
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		<0.0020	0.0028
Vanadium,SPLP	mg/L	---	---	---		0.093	0.12

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B02 (0-4) Dup	2678-25-B03 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Zinc,SPLP	mg/L	---	---	---		0.52	0.48
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		<0.050	0.012
Barium,TCLP	mg/L	---	---	---		0.33	0.34
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	---	---	---		0.02	0.025
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	---	---	---		560	580
Cobalt,TCLP	mg/L	---	---	---		<0.025	<0.025
Copper,TCLP	mg/L	---	---	---		<0.025	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		21	24
Manganese,TCLP	mg/L	---	---	---		1.1	0.33
Nickel,TCLP	mg/L	---	---	---		<0.025	<0.025
Potassium,TCLP	mg/L	---	---	---		1	1.3
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.19	0.042

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B04 (0-4)	2678-25-B06 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Semivolatile Organic Analytical Parameters							
Anthracene	mg/kg	0.25	0.4	12000		<0.038	0.0086
Benzo(a)anthracene	mg/kg	1.1	1.8	0.9		<0.038	0.039
Benzo(a)pyrene	mg/kg	1.3	2.1	0.09		<0.038	0.039
Benzo(b)fluoranthene	mg/kg	1.5	2.1	0.9		0.014	0.061
Benzo(g,h,i)perylene	mg/kg	0.68	1.7	2300		<0.038	0.017
Benzo(k)fluoranthene	mg/kg	0.99	1.7	9		<0.038	0.028
Chrysene	mg/kg	1.2	2.7	88		<0.038	0.049
Fluoranthene	mg/kg	2.7	4.1	3100		0.01	0.12
Indeno(1,2,3-c,d)pyrene	mg/kg	0.86	1.6	0.9		<0.038	0.018
Phenanthrene	mg/kg	1.3	2.5	210		<0.038	0.058
Pyrene	mg/kg	1.9	3.0	2300		0.0079	0.088
bis(2-Ethylhexyl)phthalate	mg/kg	---	---	46		<0.19	<0.20
Inorganic Analytical Parameters							
Arsenic	mg/kg	---	13	11.3		9.4	9.3
Barium	mg/kg	---	110	1500		49	38
Cadmium	mg/kg	---	0.6	5.2		0.18	0.17
Chromium, total	mg/kg	---	16.2	21		16	16
Lead	mg/kg	---	36	107		20	20
Mercury	mg/kg	---	0.06	0.1		0.049	0.035
Selenium	mg/kg	---	0.48	1.3		0.39	0.32
Silver	mg/kg	---	0.55	4.4		<0.29	<0.30
Antimony	mg/kg	---	4.0	5		0.25	0.31
Beryllium	mg/kg	---	0.59	22		0.76	0.67
Calcium	mg/kg	---	9,300	---		34000	35000
Cobalt	mg/kg	---	8.9	20		13	14
Copper	mg/kg	---	19.6	2900		27	30
Cyanide	mg/kg	---	0.51	---		<0.55	<0.58
Iron	mg/kg	---	15,900	15000		23000	19000
Magnesium	mg/kg	---	4,820	325000		21000	22000
Manganese	mg/kg	---	636	630		310	350
Nickel	mg/kg	---	18	100		38	36
Potassium	mg/kg	---	1,268	---		1700	2000
Sodium	mg/kg	---	130	---		2200	840
Thallium	mg/kg	---	0.32	2.6		<0.58	<0.60
Vanadium	mg/kg	---	25.2	550		18	18
Zinc	mg/kg	---	95	5100		75	67
pH			6.25	9		8.66	8.15
Inorganic Analytical Parameters (SPLP)							
Antimony,SPLP	mg/L	---	---	---		<0.0060	<0.0060
Arsenic,SPLP	mg/L	---	---	---		0.044	0.052
Barium,SPLP	mg/L	---	---	---		0.36	0.46
Beryllium,SPLP	mg/L	---	---	---		0.0044	0.0048
Cadmium,SPLP	mg/L	---	---	---		<0.0050	<0.0050
Calcium,SPLP	mg/L	---	---	---		25	49
Chromium,SPLP	mg/L	---	---	---		0.094	0.1
Cobalt,SPLP	mg/L	---	---	---		0.026	0.05
Copper,SPLP	mg/L	---	---	---		0.14	0.15
Iron,SPLP	mg/L	---	---	---		110	110
Lead,SPLP	mg/L	---	---	---		0.048	0.068
Magnesium,SPLP	mg/L	---	---	---		25	34
Manganese,SPLP	mg/L	---	---	---		0.46	1.8
Mercury,SPLP	mg/L	---	---	---		<0.00020	<0.00020
Nickel,SPLP	mg/L	---	---	---		0.12	0.13
Potassium,SPLP	mg/L	---	---	---		25	31
Selenium,SPLP	mg/L	---	---	---		<0.050	<0.050
Silver,SPLP	mg/L	---	---	---		<0.025	<0.025
Sodium,SPLP	mg/L	---	---	---		----	----
Thallium,SPLP	mg/L	---	---	---		0.0048	0.0025
Vanadium,SPLP	mg/L	---	---	---		0.12	0.14

Comparison of Detected Constituents to MACs-Contract PTB 174-009; Work Order: 03A

Preliminary Site Investigation

FAP 341/FAU 2959 Higgins-Lexington to I-290 E/W (PESA #2678-25)

Schaumburg, IL

Terracon Project No. 11157103

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Analyte	Units	Background		Maximum Allowed Concentration	Sample Identification	2678-25-B04 (0-4)	2678-25-B06 (0-4)
				CCDD	Sample Depth (feet)	(0-4)	(0-4)
		Chicago	MSAs	mg/kg pH 6.25-9.0	Date Collected	10/22/2015	10/22/2015
Zinc,SPLP	mg/L	---	---	---		0.46	0.92
Cyanide,SPLP	mg/L	---	---	---		----	----
Inorganic Analytical Parameters (TCLP)							
Arsenic,TCLP	mg/L	---	---	---		0.013	0.016
Barium,TCLP	mg/L	---	---	---		0.33	0.45
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	---	---	---		0.024	0.026
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	---	---	---		350	430
Cobalt,TCLP	mg/L	---	---	---		<0.025	0.011
Copper,TCLP	mg/L	---	---	---		0.012	<0.025
Cyanide,TCLP	mg/L	---	---	---		----	----
Iron,TCLP	mg/L	---	---	---		<0.20	<0.20
Magnesium,TCLP	mg/L	---	---	---		110	49
Manganese,TCLP	mg/L	---	---	---		0.85	5.7
Nickel,TCLP	mg/L	---	---	---		0.011	<0.025
Potassium,TCLP	mg/L	---	---	---		1.5	2.5
Sodium,TCLP	mg/L	---	---	---		----	----
Thallium,TCLP	mg/L	---	---	---		<0.0020	<0.0020
Vanadium,TCLP	mg/L	---	---	---		<0.025	<0.025
Zinc,TCLP	mg/L	---	---	---		0.27	0.33

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

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TestAmerica Job ID: 500-102977-2

Client Project/Site: IDOT - Schaumburg - WO 03

Revision: 1

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

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

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Job ID: 500-102977-2

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-102977-2

Revised Report

The sample ID for lab sample 30 was revised.

Receipt

The samples were received on 10/23/2015 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 2.8° C and 3.2° 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: Two acid surrogate recoveries for the following QC sample were outside the upper control limit: (MB 500-310065/1-A). This MB did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following QC sample contained one acid surrogate outside acceptance limits: (LCS 500-310065/2-A). The laboratory's SOP allows one acid and one base/neutral surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The laboratory control sample (LCS) for batch 500-310065 recovered outside control limits for 3-Nitroaniline and 4-Chloroaniline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.(LCS 500-310065/2-A)

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 500-309925 had 2 analytes outside control limits; therefore, corrective action was not performed. These results have been reported and qualified. (LCS 500-309925/2-A)

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

Metals

Method(s) 6010B: The interference check standard solution (ICSA) associated with Analytical batch 500-310185 had results for Cadmium above the reporting limit (RL). Associated sample 2678-25-B01 (0-5) (500-102977-21), 2678-25-B01 (5-10) (500-102977-22), 2678-25-B01 (10-14) (500-102977-23), 2678-25-B02 (0-4) (500-102977-24), 2678-25-B02 (0-4) Dup (500-102977-25), 2678-25-B03 (0-4) (500-102977-26), 2678-25-B04 (0-4) (500-102977-27), 2678-25-B05 (0-5) (500-102977-28), 2678-25-B05 (5-10) (500-102977-29), 2678-25-B05 (10-13) (500-102977-30), 2678-25-B06 (0-4) (500-102977-31) and (500-102977-A-1-G) were non-detects for Cadmium, therefore the data has been reported.

Method(s) 6010B: The continuing calibration verification (CCV) at line 40 associated with batch 500-310200 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 2678-25-B01 (0-5) (500-102977-21), 2678-25-B01 (5-10) (500-102977-22), 2678-25-B01 (10-14) (500-102977-23), 2678-25-B02 (0-4) (500-102977-24), 2678-25-B02 (0-4) Dup (500-102977-25), 2678-25-B03 (0-4) (500-102977-26), 2678-25-B04 (0-4) (500-102977-27), 2678-25-B05 (0-5) (500-102977-28), 2678-25-B05 (5-10) (500-102977-29), 2678-25-B05 (10-13) (500-102977-30) and 2678-25-B06 (0-4) (500-102977-31).

Method(s) 6010B: The continuing calibration verification (CCV) at line 40 was outside the control limits for Beryllium bracketing the method blank (MB) and laboratory control sample (LCS). The MB and LCS was within the method control limits. The associated samples 2678-25-B01 (0-5) (500-102977-21) and 2678-25-B01 (5-10) (500-102977-22) were bracketed with continuing calibration verifications that were within control limits, therefore the data has been reported.

Method(s) 6020A: The initial calibration verification low level (ICVL) result for batch 500-311071 was above the upper control limit for Sb at 124%rec. The affected samples were bracketed by CCVL within control limits. Sample results were non-detects, and have been reported as qualified data.

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Job ID: 500-102977-2 (Continued)

Laboratory: TestAmerica Chicago (Continued)

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.

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Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.8		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	35		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31	B	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	28	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	51000		110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	290		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	62		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	690	B	55	7.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.42	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	410	B	2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	110		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.80		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.021	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.89		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.011	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.16	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	23	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.032		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.039		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	26		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.016		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	13	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.036		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	11	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.040		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.12	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.018	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	7.97		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.015	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.013	J	0.037	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.36	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.2		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	15		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.46		0.22	0.049	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10) (Continued)

Lab Sample ID: 500-102977-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.26	B	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	11	B	0.56	0.097	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.8		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	28	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	14000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	59000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	320		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	25		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.57		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	14		0.28	0.082	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	430	B	56	7.4	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.010	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0036	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Calcium	360	B	2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.032		0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	58		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	2.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.054		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.7		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.028	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.11		0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.087	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	24	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.42		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	7.3	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.043		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.6	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.26	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.028		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	7.97		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.021	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.29	J F1	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.0		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	42		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13		0.12	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	20	B	0.60	0.13	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14) (Continued)

Lab Sample ID: 500-102977-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	18000		12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Calcium	66000	B	120	38	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.67	F1	0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	52	F1	1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200	F1	30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	160		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.013	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.79		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	550	B	2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Copper	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	24		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.034		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	5.0		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.021	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.22		0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.065	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	17	B	5.0	0.50	mg/L	1		6010B	SPLP East
Iron	3.2		0.20	0.20	mg/L	1		6010B	SPLP East
Magnesium	5.2	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.051		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	4.0	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.095	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.032		0.019	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.08		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.12	J	0.19	0.070	mg/Kg	1	☼	8270D	Total/NA
Arsenic	6.2		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	52		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	25	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	60000	B	110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) (Continued)

Lab Sample ID: 500-102977-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.38	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	55		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	2200		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540	B	2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	24		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.51		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	0.84	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.023	J	0.050	0.020	mg/L	1		6010B	TCLP
Arsenic	0.033	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0042		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	35	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.096		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.099		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	84		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.040		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	24	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.52		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	23	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.26	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.035		0.018	0.0064	mg/Kg	1	☼	7471B	Total/NA
pH	8.69		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.34	J	1.1	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.0		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	43		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.68		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17		0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	21	B	0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000		11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	23000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	60000	B	110	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	270		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.33	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	57		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup (Continued)

Lab Sample ID: 500-102977-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2200		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Sodium	1700		57	7.5	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	560	B	2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	21		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.1		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.0	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.020	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.19		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.023	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	47	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.070		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.020	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.074		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	60		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.031		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	23	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.52		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.076		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	21	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.093		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.52	B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.032		0.019	0.0065	mg/Kg	1	☼	7471B	Total/NA
pH	8.34		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.2		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	32		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.71		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	19000		12	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	57000	B	120	37	mg/Kg	10	☼	6010B	Total/NA
Manganese	270		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.36	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	1300		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.012	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	580	B	2.5	0.50	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4) (Continued)

Lab Sample ID: 500-102977-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	24		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	0.33		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.3	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.025	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.042	J	0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.044	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.38	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0043		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	49	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.025		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.11		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	87		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.040		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	30	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.40		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	27	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.48	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0028		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.029		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.72		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B04 (0-4)

Lab Sample ID: 500-102977-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.014	J	0.038	0.0083	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.010	J	0.038	0.0071	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0079	J	0.038	0.0077	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.25	J	1.2	0.24	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.4		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	49		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.76		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.18		0.12	0.033	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.58	0.099	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.065	mg/Kg	1	☼	6010B	Total/NA
Copper	27	B	0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	23000		12	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	34000		12	3.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	310		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	38		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.39	J	0.58	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	75		1.2	0.36	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Sodium	2200		58	7.6	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.013	J B	0.050	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4) (Continued)

Lab Sample ID: 500-102977-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	350	B	2.5	0.50	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	0.85		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Potassium	1.5	J	2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.024	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.27		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.044	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.36	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0044		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	25	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.094		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.026		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	110		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.048		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	25	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.46		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	25	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.12		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.46	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0048		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.049		0.017	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.66		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.016	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.0093	J	0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.010	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.013	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.30	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	5.7		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	27		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.17		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	8.9		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	55000		110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	250		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.82		0.56	0.28	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5) (Continued)

Lab Sample ID: 500-102977-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	17		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	60		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		56	7.4	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.011	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.27	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	400	B	2.5	0.50	mg/L	1		6010B	TCLP
Iron	0.23		0.20	0.20	mg/L	1		6010B	TCLP
Magnesium	70		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.2		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.8		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.024	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.048	J	0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.049	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.40	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0074		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	52	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.16		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.046		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.20		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	140		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.073		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	49	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.88		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.18		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	48	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.19		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	1.7	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0023		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.031		0.019	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	8.63		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.0084	J	0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Antimony	9.4		1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	20		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	13		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Calcium	60000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Manganese	270		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	24		0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.40	J B	0.56	0.27	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10) (Continued)

Lab Sample ID: 500-102977-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	17		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	54		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	440		56	7.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.015	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.57		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	570	B	2.5	0.50	mg/L	1		6010B	TCLP
Magnesium	34		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	3.3		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.030	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.18		0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.088	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	16	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.018	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.64		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0086		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	5.5	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.011	J	0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	2.4	J B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.15	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.035		0.020	0.0068	mg/Kg	1	☼	7471B	Total/NA
pH	8.05		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.011	J	0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.015	J	0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.6		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	43		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.62		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.15		0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Chromium	16	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	12		0.28	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	20	B	0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	17000		11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	24000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Calcium	63000	B	110	35	mg/Kg	10	☼	6010B	Total/NA
Manganese	310		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	30		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.28	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	59		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Sodium	170		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.017	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.75		0.50	0.050	mg/L	1		6010B	TCLP
Calcium	540	B	2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.012	J	0.025	0.010	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15) (Continued)

Lab Sample ID: 500-102977-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	25		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.036		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	4.8		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.030	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.031	J	0.10	0.020	mg/L	1		6010B	TCLP
Barium	0.14	J	0.50	0.050	mg/L	1		6010B	SPLP East
Calcium	26	B	5.0	0.50	mg/L	1		6010B	SPLP East
Copper	0.024	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	0.78		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.0079		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	8.0	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	0.043		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	3.9	B	2.5	0.50	mg/L	1		6010B	SPLP East
Zinc	0.12	J B	0.50	0.020	mg/L	1		6010B	SPLP East
Mercury	0.034		0.020	0.0069	mg/Kg	1	*	7471B	Total/NA
pH	7.96		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0086	J	0.039	0.0066	mg/Kg	1	*	8270D	Total/NA
Benzo[a]anthracene	0.039		0.039	0.0053	mg/Kg	1	*	8270D	Total/NA
Benzo[a]pyrene	0.039		0.039	0.0077	mg/Kg	1	*	8270D	Total/NA
Benzo[b]fluoranthene	0.061		0.039	0.0086	mg/Kg	1	*	8270D	Total/NA
Benzo[g,h,i]perylene	0.017	J	0.039	0.013	mg/Kg	1	*	8270D	Total/NA
Benzo[k]fluoranthene	0.028	J	0.039	0.012	mg/Kg	1	*	8270D	Total/NA
Chrysene	0.049		0.039	0.011	mg/Kg	1	*	8270D	Total/NA
Fluoranthene	0.12		0.039	0.0074	mg/Kg	1	*	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.018	J	0.039	0.010	mg/Kg	1	*	8270D	Total/NA
Phenanthrene	0.058		0.039	0.0055	mg/Kg	1	*	8270D	Total/NA
Pyrene	0.088		0.039	0.0079	mg/Kg	1	*	8270D	Total/NA
Antimony	0.31	J	1.2	0.25	mg/Kg	1	*	6010B	Total/NA
Arsenic	9.3		0.60	0.28	mg/Kg	1	*	6010B	Total/NA
Barium	38		0.60	0.11	mg/Kg	1	*	6010B	Total/NA
Beryllium	0.67		0.24	0.052	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.17		0.12	0.035	mg/Kg	1	*	6010B	Total/NA
Chromium	16	B	0.60	0.10	mg/Kg	1	*	6010B	Total/NA
Cobalt	14		0.30	0.067	mg/Kg	1	*	6010B	Total/NA
Copper	30	B	0.60	0.13	mg/Kg	1	*	6010B	Total/NA
Iron	19000		12	4.6	mg/Kg	1	*	6010B	Total/NA
Lead	20		0.30	0.15	mg/Kg	1	*	6010B	Total/NA
Magnesium	22000		6.0	2.4	mg/Kg	1	*	6010B	Total/NA
Calcium	35000	B	12	3.8	mg/Kg	1	*	6010B	Total/NA
Manganese	350		0.60	0.12	mg/Kg	1	*	6010B	Total/NA
Nickel	36		0.60	0.16	mg/Kg	1	*	6010B	Total/NA
Selenium	0.32	J	0.60	0.30	mg/Kg	1	*	6010B	Total/NA
Vanadium	18		0.30	0.087	mg/Kg	1	*	6010B	Total/NA
Zinc	67		1.2	0.38	mg/Kg	1	*	6010B	Total/NA
Potassium	2000		30	4.9	mg/Kg	1	*	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4) (Continued)

Lab Sample ID: 500-102977-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	840		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.016	J B	0.050	0.010	mg/L	1		6010B	TCLP
Barium	0.45	J	0.50	0.050	mg/L	1		6010B	TCLP
Calcium	430	B	2.5	0.50	mg/L	1		6010B	TCLP
Cobalt	0.011	J	0.025	0.010	mg/L	1		6010B	TCLP
Magnesium	49		2.5	0.50	mg/L	1		6010B	TCLP
Manganese	5.7		0.025	0.010	mg/L	1		6010B	TCLP
Potassium	2.5		2.5	0.50	mg/L	1		6010B	TCLP
Selenium	0.026	J	0.050	0.020	mg/L	1		6010B	TCLP
Zinc	0.33		0.10	0.020	mg/L	1		6010B	TCLP
Arsenic	0.052		0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.46	J	0.50	0.050	mg/L	1		6010B	SPLP East
Beryllium	0.0048		0.0040	0.0040	mg/L	1		6010B	SPLP East
Calcium	49	B	5.0	0.50	mg/L	1		6010B	SPLP East
Chromium	0.10		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.050		0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.15		0.025	0.010	mg/L	1		6010B	SPLP East
Iron	110		0.20	0.20	mg/L	1		6010B	SPLP East
Lead	0.068		0.0075	0.0075	mg/L	1		6010B	SPLP East
Magnesium	34	B	2.5	0.50	mg/L	1		6010B	SPLP East
Manganese	1.8		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.13		0.025	0.010	mg/L	1		6010B	SPLP East
Potassium	31	B	2.5	0.50	mg/L	1		6010B	SPLP East
Vanadium	0.14		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.92	B	0.50	0.020	mg/L	1		6010B	SPLP East
Thallium	0.0025		0.0020	0.0020	mg/L	1		6020A	SPLP East
Mercury	0.035		0.017	0.0061	mg/Kg	1	☼	7471B	Total/NA
pH	8.15		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: 2678-25-G01

Lab Sample ID: 500-102977-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013		0.0010	0.00044	mg/L	1		6020A	Total Recoverable
Barium	0.40		0.0025	0.00084	mg/L	1		6020A	Total Recoverable
Beryllium	0.00056	J	0.0010	0.00024	mg/L	1		6020A	Total Recoverable
Cadmium	0.0014		0.00050	0.00019	mg/L	1		6020A	Total Recoverable
Calcium	950		4.0	2.1	mg/L	20		6020A	Total Recoverable
Chromium	0.0089		0.0050	0.00061	mg/L	1		6020A	Total Recoverable
Cobalt	0.011		0.0010	0.00019	mg/L	1		6020A	Total Recoverable
Copper	0.036		0.0020	0.00096	mg/L	1		6020A	Total Recoverable
Iron	12		0.10	0.026	mg/L	1		6020A	Total Recoverable
Lead	0.021		0.00050	0.00014	mg/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-G01 (Continued)

Lab Sample ID: 500-102977-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	500		2.0	0.83	mg/L	10		6020A	Total
Manganese	0.91		0.0025	0.00099	mg/L	1		6020A	Recoverable
Nickel	0.025		0.0020	0.00053	mg/L	1		6020A	Total
Potassium	8.4		0.50	0.19	mg/L	1		6020A	Recoverable
Selenium	0.0016	J	0.0025	0.00083	mg/L	1		6020A	Total
Silver	0.00012	J	0.00050	0.000080	mg/L	1		6020A	Recoverable
Sodium	1900		100	44	mg/L	500		6020A	Total
Thallium	0.0013	J	0.0020	0.00059	mg/L	1		6020A	Recoverable
Vanadium	0.018	B	0.0050	0.0022	mg/L	1		6020A	Total
Zinc	0.052		0.020	0.0046	mg/L	1		6020A	Recoverable
Mercury	0.000080	J	0.00020	0.000061	mg/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago



Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-102977-21	2678-25-B01 (0-5)	Solid	10/22/15 08:50	10/23/15 08:50
500-102977-22	2678-25-B01 (5-10)	Solid	10/22/15 08:55	10/23/15 08:50
500-102977-23	2678-25-B01 (10-14)	Solid	10/22/15 09:00	10/23/15 08:50
500-102977-24	2678-25-B02 (0-4)	Solid	10/22/15 09:15	10/23/15 08:50
500-102977-25	2678-25-B02 (0-4) Dup	Solid	10/22/15 09:20	10/23/15 08:50
500-102977-26	2678-25-B03 (0-4)	Solid	10/22/15 09:45	10/23/15 08:50
500-102977-27	2678-25-B04 (0-4)	Solid	10/22/15 10:00	10/23/15 08:50
500-102977-28	2678-25-B05 (0-5)	Solid	10/22/15 10:20	10/23/15 08:50
500-102977-29	2678-25-B05 (5-10)	Solid	10/22/15 10:25	10/23/15 08:50
500-102977-30	2678-25-B05 (10-15)	Solid	10/22/15 10:30	10/23/15 08:50
500-102977-31	2678-25-B06 (0-4)	Solid	10/22/15 10:45	10/23/15 08:50
500-102977-32	2678-25-G01	Water	10/22/15 15:45	10/23/15 08:50

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Date Collected: 10/22/15 08:50

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.0035	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Bromodichloromethane	<0.0045		0.0045	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Bromoform	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Chloroform	<0.0045		0.0045	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,1-Dichloroethane	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,1-Dichloroethene	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,1,1,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 122	10/23/15 09:35	10/28/15 14:03	1
Dibromofluoromethane	100		75 - 120	10/23/15 09:35	10/28/15 14:03	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/23/15 09:35	10/28/15 14:03	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/28/15 14:03	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	☼	10/28/15 16:21	10/29/15 13:08	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Date Collected: 10/22/15 08:50

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4-Chloroaniline	<0.75 *		0.75	0.17	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Methylnaphthalene	<0.037		0.037	0.0068	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
3-Nitroaniline	<0.37 *		0.37	0.12	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Date Collected: 10/22/15 08:50

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.75		0.75	0.35	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/28/15 16:21	10/29/15 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		25 - 119	10/28/15 16:21	10/29/15 13:08	1
2-Fluorophenol	107		25 - 110	10/28/15 16:21	10/29/15 13:08	1
Nitrobenzene-d5	99		25 - 115	10/28/15 16:21	10/29/15 13:08	1
Phenol-d5	102		31 - 110	10/28/15 16:21	10/29/15 13:08	1
Terphenyl-d14	96		36 - 134	10/28/15 16:21	10/29/15 13:08	1
2,4,6-Tribromophenol	91		35 - 137	10/28/15 16:21	10/29/15 13:08	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	☼	10/27/15 18:06	10/29/15 02:58	1
Arsenic	9.8		0.55	0.25	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Barium	35		0.55	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Beryllium	0.65		0.22	0.048	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Cadmium	0.31	B	0.11	0.032	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Chromium	16	B	0.55	0.095	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Cobalt	13		0.28	0.062	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Copper	28	B	0.55	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Iron	21000		11	4.2	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Lead	16		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Magnesium	25000		5.5	2.2	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Calcium	51000		110	35	mg/Kg	☼	10/27/15 18:06	10/30/15 05:27	10
Manganese	290		0.55	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Nickel	34		0.55	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/27/15 18:06	10/30/15 05:22	1
Vanadium	19		0.28	0.080	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Zinc	62		1.1	0.35	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Potassium	2300		28	4.5	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1
Sodium	690	B	55	7.3	mg/Kg	☼	10/27/15 18:06	10/29/15 02:58	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Barium	0.42	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:02	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Date Collected: 10/22/15 08:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:02	1
Magnesium	110		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:02	1
Manganese	0.80		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Potassium	2.0	J	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:02	1
Selenium	0.021	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:02	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:02	1
Zinc	0.89		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Barium	0.16	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:37	1
Calcium	23	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:37	1
Chromium	0.032		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Copper	0.039		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Iron	26		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:37	1
Lead	0.016		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:37	1
Magnesium	13	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:37	1
Manganese	0.12		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Nickel	0.036		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Potassium	11	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:37	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Vanadium	0.040		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:37	1
Zinc	0.12	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 02:37	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		10/28/15 10:30	11/04/15 13:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:08	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:34	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (0-5)

Lab Sample ID: 500-102977-21

Date Collected: 10/22/15 08:50

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 85.6

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		10/28/15 17:30	10/29/15 10:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.018	0.0062	mg/Kg	☼	10/27/15 16:00	10/28/15 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/27/15 18:45	10/27/15 21:00	1
pH	7.97		0.200	0.200	SU			10/29/15 16:10	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Date Collected: 10/22/15 08:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 87.8

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	☼	10/23/15 09:35	10/28/15 14:28	1
Benzene	<0.0043		0.0043	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Bromodichloromethane	<0.0043		0.0043	0.00073	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Bromoform	<0.0043		0.0043	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
2-Butanone (MEK)	<0.0043		0.0043	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Carbon disulfide	<0.0043		0.0043	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Carbon tetrachloride	<0.0043		0.0043	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Chlorobenzene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Chloroethane	<0.0043		0.0043	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Chloroform	<0.0043		0.0043	0.00084	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Chloromethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
cis-1,2-Dichloroethene	<0.0043		0.0043	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
cis-1,3-Dichloropropene	<0.0043		0.0043	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Dibromochloromethane	<0.0043		0.0043	0.00050	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,1-Dichloroethane	<0.0043		0.0043	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,2-Dichloroethane	<0.0043		0.0043	0.00064	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,1-Dichloroethene	<0.0043		0.0043	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,2-Dichloropropane	<0.0043		0.0043	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,3-Dichloropropane, Total	<0.0043		0.0043	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Ethylbenzene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Methylene Chloride	<0.0043		0.0043	0.0033	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Methyl tert-butyl ether	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Styrene	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,1,2,2-Tetrachloroethane	<0.0043		0.0043	0.00068	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Tetrachloroethene	<0.0043		0.0043	0.00090	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Toluene	<0.0043		0.0043	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
trans-1,2-Dichloroethene	<0.0043		0.0043	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
trans-1,3-Dichloropropene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,1,1-Trichloroethane	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
1,1,2-Trichloroethane	<0.0043		0.0043	0.00083	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Trichloroethene	<0.0043		0.0043	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Vinyl acetate	<0.0043		0.0043	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Vinyl chloride	<0.0043		0.0043	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1
Xylenes, Total	<0.0086		0.0086	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 14:28	1
Dibromofluoromethane	98		75 - 120	10/23/15 09:35	10/28/15 14:28	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/23/15 09:35	10/28/15 14:28	1
Toluene-d8 (Surr)	114		75 - 122	10/23/15 09:35	10/28/15 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Date Collected: 10/22/15 08:55

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.037		0.037	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Chrysene	0.015	J	0.037	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4-Dinitrophenol	<0.76	*	0.76	0.66	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Methylnaphthalene	<0.037		0.037	0.0069	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
3-Nitroaniline	<0.37	*	0.37	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Date Collected: 10/22/15 08:55

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.76		0.76	0.36	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
Pyrene	0.013	J	0.037	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		25 - 119	10/27/15 19:00	10/30/15 02:54	1
2-Fluorophenol	98		25 - 110	10/27/15 19:00	10/30/15 02:54	1
Nitrobenzene-d5	95		25 - 115	10/27/15 19:00	10/30/15 02:54	1
Phenol-d5	95		31 - 110	10/27/15 19:00	10/30/15 02:54	1
Terphenyl-d14	108		36 - 134	10/27/15 19:00	10/30/15 02:54	1
2,4,6-Tribromophenol	88		35 - 137	10/27/15 19:00	10/30/15 02:54	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.23	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Arsenic	5.2		0.56	0.26	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Barium	15		0.56	0.10	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Beryllium	0.46		0.22	0.049	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Cadmium	0.26	B	0.11	0.033	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Chromium	11	B	0.56	0.097	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Cobalt	9.8		0.28	0.063	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Copper	28	B	0.56	0.12	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Iron	14000		11	4.3	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Lead	14		0.28	0.14	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Magnesium	27000		5.6	2.3	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Calcium	59000		110	36	mg/Kg	☼	10/27/15 18:06	10/30/15 05:36	10
Manganese	320		0.56	0.11	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Nickel	25		0.56	0.15	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Selenium	0.57		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	10/27/15 18:06	10/30/15 05:31	1
Vanadium	14		0.28	0.082	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Zinc	57		1.1	0.36	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Potassium	1700		28	4.6	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1
Sodium	430	B	56	7.4	mg/Kg	☼	10/27/15 18:06	10/29/15 03:03	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Barium	0.25	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:07	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:07	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:07	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Date Collected: 10/22/15 08:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	360	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Cobalt	0.032		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Copper	0.015	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:07	1
Magnesium	58		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:07	1
Manganese	2.3		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Nickel	0.054		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Potassium	3.7		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:07	1
Selenium	0.028	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:07	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:07	1
Zinc	0.11		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Barium	0.087	J	0.50	0.050	mg/L		10/28/15 12:00	10/29/15 02:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/29/15 02:43	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/29/15 02:43	1
Calcium	24	B	5.0	0.50	mg/L		10/28/15 12:00	10/29/15 02:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Iron	0.42		0.20	0.20	mg/L		10/28/15 12:00	10/29/15 02:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 12:00	10/29/15 02:43	1
Magnesium	7.3	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:43	1
Manganese	0.043		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Potassium	2.6	B	2.5	0.50	mg/L		10/28/15 12:00	10/29/15 02:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/29/15 02:43	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/29/15 02:43	1
Zinc	0.26	J B	0.50	0.020	mg/L		10/28/15 12:00	10/29/15 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		10/28/15 10:30	11/04/15 13:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:09	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:19	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 12:35	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (5-10)

Lab Sample ID: 500-102977-22

Date Collected: 10/22/15 08:55

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 87.8

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		10/28/15 17:30	10/29/15 10:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/27/15 18:45	10/27/15 21:00	1
pH	7.97		0.200	0.200	SU			10/29/15 16:14	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Date Collected: 10/22/15 09:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Chloroethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,3-Dichloropropane, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 14:53	1
Dibromofluoromethane	98		75 - 120	10/23/15 09:35	10/28/15 14:53	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/23/15 09:35	10/28/15 14:53	1
Toluene-d8 (Surr)	117		75 - 122	10/23/15 09:35	10/28/15 14:53	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	☼	10/27/15 19:00	10/30/15 03:23	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Date Collected: 10/22/15 09:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4-Dinitrophenol	<0.76 *		0.76	0.67	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
3-Nitroaniline	<0.38 *		0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Date Collected: 10/22/15 09:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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	☼	10/27/15 19:00	10/30/15 03:23	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Phenanthrene	0.021	J	0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		25 - 119	10/27/15 19:00	10/30/15 03:23	1
2-Fluorophenol	101		25 - 110	10/27/15 19:00	10/30/15 03:23	1
Nitrobenzene-d5	96		25 - 115	10/27/15 19:00	10/30/15 03:23	1
Phenol-d5	97		31 - 110	10/27/15 19:00	10/30/15 03:23	1
Terphenyl-d14	109		36 - 134	10/27/15 19:00	10/30/15 03:23	1
2,4,6-Tribromophenol	74		35 - 137	10/27/15 19:00	10/30/15 03:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J F1	1.2	0.25	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Arsenic	6.0		0.60	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Barium	42		0.60	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Beryllium	0.61		0.24	0.052	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Cadmium	0.13		0.12	0.035	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Chromium	15	B	0.60	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Cobalt	12		0.30	0.068	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Copper	20	B	0.60	0.13	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Iron	18000		12	4.6	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Lead	12		0.30	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Magnesium	25000		6.0	2.4	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Calcium	66000	B	120	38	mg/Kg	☼	10/28/15 13:00	10/30/15 18:39	10
Manganese	310		0.60	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Nickel	30		0.60	0.16	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Selenium	0.67	F1	0.60	0.30	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Vanadium	17		0.30	0.087	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Zinc	52	F1	1.2	0.38	mg/Kg	☼	10/28/15 13:00	10/30/15 18:06	1
Potassium	2200	F1	30	4.9	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1
Sodium	160		60	7.9	mg/Kg	☼	10/28/15 13:00	10/29/15 22:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Barium	0.79		0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:12	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:12	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Date Collected: 10/22/15 09:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	550	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Cobalt	0.013	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Copper	0.010	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:12	1
Magnesium	24		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:12	1
Manganese	1.9		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Nickel	0.034		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Potassium	5.0		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:12	1
Selenium	0.021	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:12	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:12	1
Zinc	0.22		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Barium	0.065	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 21:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 21:50	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 21:50	1
Calcium	17	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Iron	3.2		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 21:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 21:50	1
Magnesium	5.2	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 21:50	1
Manganese	0.051		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Potassium	4.0	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 21:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 21:50	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Vanadium	0.012	J	0.025	0.010	mg/L		10/28/15 12:00	10/28/15 21:50	1
Zinc	0.095	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 21:50	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		10/28/15 10:30	11/04/15 13:09	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:09	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B01 (10-14)

Lab Sample ID: 500-102977-23

Date Collected: 10/22/15 09:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.3

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		10/28/15 17:30	10/29/15 10:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0068	mg/Kg	☼	10/27/15 16:00	10/28/15 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/27/15 18:45	10/27/15 21:00	1
pH	8.08		0.200	0.200	SU			10/29/15 16:17	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Date Collected: 10/22/15 09:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0035	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Bromodichloromethane	<0.0045		0.0045	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Bromoform	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,1-Dichloroethene	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,3-Dichloropropene, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 122	10/23/15 09:35	10/28/15 15:18	1
Dibromofluoromethane	95		75 - 120	10/23/15 09:35	10/28/15 15:18	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/23/15 09:35	10/28/15 15:18	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/28/15 15:18	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	☼	10/27/15 19:00	10/30/15 03:52	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Date Collected: 10/22/15 09:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.9

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	☼	10/27/15 19:00	10/30/15 03:52	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Bis(2-ethylhexyl) phthalate	0.12	J	0.19	0.070	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4-Dinitrophenol	<0.77	*	0.77	0.68	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Date Collected: 10/22/15 09:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.9

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	☼	10/27/15 19:00	10/30/15 03:52	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		25 - 119	10/27/15 19:00	10/30/15 03:52	1
2-Fluorophenol	93		25 - 110	10/27/15 19:00	10/30/15 03:52	1
Nitrobenzene-d5	89		25 - 115	10/27/15 19:00	10/30/15 03:52	1
Phenol-d5	92		31 - 110	10/27/15 19:00	10/30/15 03:52	1
Terphenyl-d14	104		36 - 134	10/27/15 19:00	10/30/15 03:52	1
2,4,6-Tribromophenol	82		35 - 137	10/27/15 19:00	10/30/15 03:52	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	☼	10/28/15 13:00	10/29/15 23:10	1
Arsenic	6.2		0.57	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Barium	52		0.57	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Beryllium	0.75		0.23	0.049	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Cadmium	0.19		0.11	0.033	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Chromium	18 B		0.57	0.098	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Cobalt	12		0.28	0.064	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Copper	25 B		0.57	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Iron	19000		11	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Lead	13		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Magnesium	23000		5.7	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Calcium	60000 B		110	37	mg/Kg	☼	10/28/15 13:00	10/30/15 19:05	10
Manganese	310		0.57	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Nickel	34		0.57	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Selenium	0.38 J		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Vanadium	20		0.28	0.083	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Zinc	55		1.1	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 18:59	1
Potassium	2100		28	4.6	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1
Sodium	2200		57	7.5	mg/Kg	☼	10/28/15 13:00	10/29/15 23:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Barium	0.41	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:17	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:17	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Date Collected: 10/22/15 09:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:17	1
Magnesium	24		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:17	1
Manganese	0.51		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Potassium	0.84	J	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:17	1
Selenium	0.023	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:17	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:17	1
Zinc	<0.10		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Barium	0.45	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 22:17	1
Beryllium	0.0042		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 22:17	1
Cadmium	<0.0050	[^]	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 22:17	1
Calcium	35	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 22:17	1
Chromium	0.096		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Cobalt	0.026		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Copper	0.099		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Iron	84		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 22:17	1
Lead	0.040		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 22:17	1
Magnesium	24	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:17	1
Manganese	0.52		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Nickel	0.10		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Potassium	23	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 22:17	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Vanadium	0.13		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:17	1
Zinc	0.26	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 22:17	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		10/28/15 10:30	11/04/15 13:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:10	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	[^]	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4)

Lab Sample ID: 500-102977-24

Date Collected: 10/22/15 09:15

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.9

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		10/28/15 17:30	10/29/15 10:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0064	mg/Kg	☼	10/27/15 16:00	10/28/15 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:56	1
pH	8.69		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Date Collected: 10/22/15 09:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/23/15 09:35	10/28/15 15:43	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Chlorobenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Chloroethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1
Xylenes, Total	<0.0098		0.0098	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	10/23/15 09:35	10/28/15 15:43	1
Dibromofluoromethane	104		75 - 120	10/23/15 09:35	10/28/15 15:43	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/23/15 09:35	10/28/15 15:43	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/28/15 15:43	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	☼	10/27/15 19:00	10/30/15 04:21	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Date Collected: 10/22/15 09:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/27/15 19:00	10/30/15 04:21	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4-Dinitrophenol	<0.77	*	0.77	0.67	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Date Collected: 10/22/15 09:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/27/15 19:00	10/30/15 04:21	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 04:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		25 - 119	10/27/15 19:00	10/30/15 04:21	1
2-Fluorophenol	93		25 - 110	10/27/15 19:00	10/30/15 04:21	1
Nitrobenzene-d5	89		25 - 115	10/27/15 19:00	10/30/15 04:21	1
Phenol-d5	82		31 - 110	10/27/15 19:00	10/30/15 04:21	1
Terphenyl-d14	105		36 - 134	10/27/15 19:00	10/30/15 04:21	1
2,4,6-Tribromophenol	87		35 - 137	10/27/15 19:00	10/30/15 04:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.1	0.24	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Arsenic	7.0		0.57	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Barium	43		0.57	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Beryllium	0.68		0.23	0.049	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Cadmium	0.17		0.11	0.033	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Chromium	16	B	0.57	0.098	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Cobalt	11		0.28	0.064	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Copper	21	B	0.57	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Iron	18000		11	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Lead	14		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Magnesium	23000		5.7	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Calcium	60000	B	110	37	mg/Kg	☼	10/28/15 13:00	10/30/15 19:14	10
Manganese	270		0.57	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Nickel	31		0.57	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Selenium	0.33	J	0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Vanadium	19		0.28	0.083	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Zinc	57		1.1	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 19:09	1
Potassium	2200		28	4.6	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1
Sodium	1700		57	7.5	mg/Kg	☼	10/28/15 13:00	10/29/15 23:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Barium	0.33	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:22	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:22	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Date Collected: 10/22/15 09:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	560	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:22	1
Magnesium	21		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:22	1
Manganese	1.1		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Potassium	1.0	J	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:22	1
Selenium	0.020	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:22	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:22	1
Zinc	0.19		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Barium	0.33	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 22:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 22:23	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 22:23	1
Calcium	47	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 22:23	1
Chromium	0.070		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Cobalt	0.020	J	0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Copper	0.074		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Iron	60		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 22:23	1
Lead	0.031		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 22:23	1
Magnesium	23	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:23	1
Manganese	0.52		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Nickel	0.076		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Potassium	21	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 22:23	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Vanadium	0.093		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:23	1
Zinc	0.52	B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 22:23	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		10/28/15 10:30	11/04/15 13:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:11	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B02 (0-4) Dup

Lab Sample ID: 500-102977-25

Date Collected: 10/22/15 09:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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		10/28/15 17:30	10/29/15 10:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0065	mg/Kg	☼	10/27/15 16:00	10/28/15 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.59		0.59	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:56	1
pH	8.34		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Date Collected: 10/22/15 09:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 86.4

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	☼	10/23/15 09:35	10/28/15 16:08	1
Benzene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Bromodichloromethane	<0.0045		0.0045	0.00076	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Bromoform	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Carbon disulfide	<0.0045		0.0045	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Carbon tetrachloride	<0.0045		0.0045	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Chloroform	<0.0045		0.0045	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Dibromochloromethane	<0.0045		0.0045	0.00052	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,1-Dichloroethane	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,2-Dichloroethane	<0.0045		0.0045	0.00067	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Styrene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Tetrachloroethene	<0.0045		0.0045	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00087	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1
Xylenes, Total	<0.0090		0.0090	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122	10/23/15 09:35	10/28/15 16:08	1
Dibromofluoromethane	102		75 - 120	10/23/15 09:35	10/28/15 16:08	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/23/15 09:35	10/28/15 16:08	1
Toluene-d8 (Surr)	111		75 - 122	10/23/15 09:35	10/28/15 16:08	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	☼	10/27/15 19:00	10/30/15 04:51	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Date Collected: 10/22/15 09:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4-Dinitrophenol	<0.76	*	0.76	0.66	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Methylnaphthalene	<0.038		0.038	0.0069	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Date Collected: 10/22/15 09:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.76		0.76	0.36	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		25 - 119	10/27/15 19:00	10/30/15 04:51	1
2-Fluorophenol	80		25 - 110	10/27/15 19:00	10/30/15 04:51	1
Nitrobenzene-d5	77		25 - 115	10/27/15 19:00	10/30/15 04:51	1
Phenol-d5	80		31 - 110	10/27/15 19:00	10/30/15 04:51	1
Terphenyl-d14	93		36 - 134	10/27/15 19:00	10/30/15 04:51	1
2,4,6-Tribromophenol	71		35 - 137	10/27/15 19:00	10/30/15 04:51	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	☼	10/28/15 13:00	10/29/15 23:28	1
Arsenic	8.2		0.58	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Barium	32		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Beryllium	0.71		0.23	0.050	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Cadmium	0.18		0.12	0.033	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Chromium	16 B		0.58	0.099	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Cobalt	14		0.29	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Copper	24 B		0.58	0.13	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Iron	19000		12	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Lead	13		0.29	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Magnesium	22000		5.8	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Calcium	57000 B		120	37	mg/Kg	☼	10/28/15 13:00	10/30/15 19:30	10
Manganese	270		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Nickel	32		0.58	0.16	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Selenium	0.36 J		0.58	0.29	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Vanadium	19		0.29	0.084	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Zinc	59		1.2	0.37	mg/Kg	☼	10/28/15 13:00	10/30/15 19:18	1
Potassium	2100		29	4.7	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1
Sodium	1300		58	7.6	mg/Kg	☼	10/28/15 13:00	10/29/15 23:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Barium	0.34	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:28	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:28	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Date Collected: 10/22/15 09:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	580	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:28	1
Magnesium	24		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:28	1
Manganese	0.33		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Potassium	1.3	J	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:28	1
Selenium	0.025	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:28	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:28	1
Zinc	0.042	J	0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Barium	0.38	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 22:30	1
Beryllium	0.0043		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 22:30	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 22:30	1
Calcium	49	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 22:30	1
Chromium	0.094		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Cobalt	0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Copper	0.11		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Iron	87		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 22:30	1
Lead	0.040		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 22:30	1
Magnesium	30	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:30	1
Manganese	0.40		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Nickel	0.10		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Potassium	27	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 22:30	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Vanadium	0.12		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:30	1
Zinc	0.48	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 22:30	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		10/28/15 10:30	11/04/15 13:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:12	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:45	1
Thallium	0.0028		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B03 (0-4)

Lab Sample ID: 500-102977-26

Date Collected: 10/22/15 09:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 86.4

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		10/28/15 17:30	10/29/15 10:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:56	1
pH	8.72		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4)

Lab Sample ID: 500-102977-27

Date Collected: 10/22/15 10:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.5

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	☼	10/23/15 09:35	10/28/15 16:33	1
Benzene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Bromodichloromethane	<0.0046		0.0046	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Bromoform	<0.0046		0.0046	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
2-Butanone (MEK)	<0.0046		0.0046	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Carbon disulfide	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Carbon tetrachloride	<0.0046		0.0046	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Chlorobenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Chloroethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Chloroform	<0.0046		0.0046	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Chloromethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
cis-1,2-Dichloroethene	<0.0046		0.0046	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
cis-1,3-Dichloropropene	<0.0046		0.0046	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Dibromochloromethane	<0.0046		0.0046	0.00052	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,1-Dichloroethane	<0.0046		0.0046	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,2-Dichloroethane	<0.0046		0.0046	0.00068	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,1-Dichloroethene	<0.0046		0.0046	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,2-Dichloropropane	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,3-Dichloropropene, Total	<0.0046		0.0046	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Ethylbenzene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Methylene Chloride	<0.0046		0.0046	0.0034	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Methyl tert-butyl ether	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Styrene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,1,2,2-Tetrachloroethane	<0.0046		0.0046	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Tetrachloroethene	<0.0046		0.0046	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Toluene	<0.0046		0.0046	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
trans-1,2-Dichloroethene	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
trans-1,3-Dichloropropene	<0.0046		0.0046	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,1,1-Trichloroethane	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
1,1,2-Trichloroethane	<0.0046		0.0046	0.00088	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Trichloroethene	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Vinyl acetate	<0.0046		0.0046	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Vinyl chloride	<0.0046		0.0046	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1
Xylenes, Total	<0.0091		0.0091	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 122	10/23/15 09:35	10/28/15 16:33	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/28/15 16:33	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/23/15 09:35	10/28/15 16:33	1
Toluene-d8 (Surr)	110		75 - 122	10/23/15 09:35	10/28/15 16:33	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	☼	10/27/15 19:00	10/30/15 17:29	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4)

Lab Sample ID: 500-102977-27

Date Collected: 10/22/15 10:00

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.038		0.038	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Benzo[b]fluoranthene	0.014	J	0.038	0.0083	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4-Dinitrophenol	<0.78	*	0.78	0.68	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Fluoranthene	0.010	J	0.038	0.0071	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Methylnaphthalene	<0.038		0.038	0.0071	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4)

Lab Sample ID: 500-102977-27

Date Collected: 10/22/15 10:00

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.78		0.78	0.37	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Pyrene	0.0079	J	0.038	0.0077	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	96		25 - 119				10/27/15 19:00	10/30/15 17:29	1
2-Fluorophenol	90		25 - 110				10/27/15 19:00	10/30/15 17:29	1
Nitrobenzene-d5	92		25 - 115				10/27/15 19:00	10/30/15 17:29	1
Phenol-d5	89		31 - 110				10/27/15 19:00	10/30/15 17:29	1
Terphenyl-d14	105		36 - 134				10/27/15 19:00	10/30/15 17:29	1
2,4,6-Tribromophenol	78		35 - 137				10/27/15 19:00	10/30/15 17:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.2	0.24	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Arsenic	9.4		0.58	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Barium	49		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Beryllium	0.76		0.23	0.050	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Cadmium	0.18		0.12	0.033	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Chromium	16	B	0.58	0.099	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Cobalt	13		0.29	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Copper	27	B	0.58	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Iron	23000		12	4.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Lead	20		0.29	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Magnesium	21000		5.8	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Calcium	34000		12	3.7	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Manganese	310		0.58	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Nickel	38		0.58	0.16	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Selenium	0.39	J	0.58	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Thallium	<0.58		0.58	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Vanadium	18		0.29	0.084	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Zinc	75		1.2	0.36	mg/Kg	☼	10/28/15 13:00	10/30/15 19:34	1
Potassium	1700		29	4.7	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1
Sodium	2200		58	7.6	mg/Kg	☼	10/28/15 13:00	10/29/15 23:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Barium	0.33	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:33	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:33	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4)
Date Collected: 10/22/15 10:00
Date Received: 10/23/15 08:50

Lab Sample ID: 500-102977-27
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	350	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Copper	0.012	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:33	1
Magnesium	110		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:33	1
Manganese	0.85		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Nickel	0.011	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Potassium	1.5	J	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:33	1
Selenium	0.024	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:33	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:33	1
Zinc	0.27		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Barium	0.36	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 22:37	1
Beryllium	0.0044		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 22:37	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 22:37	1
Calcium	25	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 22:37	1
Chromium	0.094		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Cobalt	0.026		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Copper	0.14		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Iron	110		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 22:37	1
Lead	0.048		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 22:37	1
Magnesium	25	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:37	1
Manganese	0.46		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Nickel	0.12		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Potassium	25	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 22:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 22:37	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Vanadium	0.12		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 22:37	1
Zinc	0.46	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 22:37	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		10/28/15 10:30	11/04/15 13:15	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:15	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:46	1
Thallium	0.0048		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:31	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B04 (0-4)

Lab Sample ID: 500-102977-27

Date Collected: 10/22/15 10:00

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.5

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		10/28/15 17:30	10/29/15 10:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.017	0.0060	mg/Kg	☼	10/27/15 16:00	10/28/15 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 22:57	1
pH	8.66		0.200	0.200	SU			10/29/15 16:19	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Date Collected: 10/22/15 10:20

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.0032	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Benzene	<0.0042		0.0042	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Bromodichloromethane	<0.0042		0.0042	0.00070	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Bromoform	<0.0042		0.0042	0.00085	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Bromomethane	<0.0042		0.0042	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
2-Butanone (MEK)	<0.0042		0.0042	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Carbon disulfide	<0.0042		0.0042	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Carbon tetrachloride	<0.0042		0.0042	0.00089	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Chlorobenzene	<0.0042		0.0042	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Chloroethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Chloroform	<0.0042		0.0042	0.00081	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Chloromethane	<0.0042		0.0042	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
cis-1,2-Dichloroethene	<0.0042		0.0042	0.00085	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
cis-1,3-Dichloropropene	<0.0042		0.0042	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Dibromochloromethane	<0.0042		0.0042	0.00048	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,1-Dichloroethane	<0.0042		0.0042	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,2-Dichloroethane	<0.0042		0.0042	0.00062	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,1-Dichloroethene	<0.0042		0.0042	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,2-Dichloropropane	<0.0042		0.0042	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,3-Dichloropropane, Total	<0.0042		0.0042	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Ethylbenzene	<0.0042		0.0042	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Methylene Chloride	<0.0042		0.0042	0.0031	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Methyl tert-butyl ether	<0.0042		0.0042	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Styrene	<0.0042		0.0042	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,1,2,2-Tetrachloroethane	<0.0042		0.0042	0.00066	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Tetrachloroethene	<0.0042		0.0042	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Toluene	<0.0042		0.0042	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
trans-1,2-Dichloroethene	<0.0042		0.0042	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
trans-1,3-Dichloropropene	<0.0042		0.0042	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,1,1-Trichloroethane	<0.0042		0.0042	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
1,1,2-Trichloroethane	<0.0042		0.0042	0.00080	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Trichloroethene	<0.0042		0.0042	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Vinyl acetate	<0.0042		0.0042	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Vinyl chloride	<0.0042		0.0042	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1
Xylenes, Total	<0.0083		0.0083	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 122	10/23/15 09:35	10/28/15 16:58	1
Dibromofluoromethane	100		75 - 120	10/23/15 09:35	10/28/15 16:58	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	10/23/15 09:35	10/28/15 16:58	1
Toluene-d8 (Surr)	114		75 - 122	10/23/15 09:35	10/28/15 16:58	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	☼	10/27/15 19:00	10/30/15 17:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Date Collected: 10/22/15 10:20

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0081	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Chrysene	0.016	J	0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4-Dinitrophenol	<0.76	*	0.76	0.66	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Fluoranthene	0.0093	J	0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Methylnaphthalene	<0.038		0.038	0.0069	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Date Collected: 10/22/15 10:20

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.76		0.76	0.36	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Phenanthrene	0.010	J	0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
Pyrene	0.013	J	0.038	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		25 - 119	10/27/15 19:00	10/30/15 17:58	1
2-Fluorophenol	94		25 - 110	10/27/15 19:00	10/30/15 17:58	1
Nitrobenzene-d5	92		25 - 115	10/27/15 19:00	10/30/15 17:58	1
Phenol-d5	95		31 - 110	10/27/15 19:00	10/30/15 17:58	1
Terphenyl-d14	112		36 - 134	10/27/15 19:00	10/30/15 17:58	1
2,4,6-Tribromophenol	89		35 - 137	10/27/15 19:00	10/30/15 17:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.1	0.23	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Arsenic	5.7		0.56	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Barium	27		0.56	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Beryllium	0.65		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Cadmium	0.17		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Chromium	16	B	0.56	0.096	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Cobalt	8.9		0.28	0.063	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Copper	24	B	0.56	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Iron	17000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Lead	14		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Magnesium	24000		5.6	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Calcium	55000		110	36	mg/Kg	☼	10/28/15 13:00	11/02/15 12:39	10
Manganese	250		0.56	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Nickel	31		0.56	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Selenium	0.82		0.56	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Vanadium	17		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Zinc	60		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 19:39	1
Potassium	2300		28	4.5	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1
Sodium	1400		56	7.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Barium	0.27	J	0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:38	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Date Collected: 10/22/15 10:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	400	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Iron	0.23		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:38	1
Magnesium	70		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:38	1
Manganese	1.2		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Potassium	3.8		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:38	1
Selenium	0.024	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:38	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:38	1
Zinc	0.048	J	0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Barium	0.40	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 23:00	1
Beryllium	0.0074		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 23:00	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 23:00	1
Calcium	52	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 23:00	1
Chromium	0.16		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Cobalt	0.046		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Copper	0.20		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Iron	140		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 23:00	1
Lead	0.073		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 23:00	1
Magnesium	49	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:00	1
Manganese	0.88		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Nickel	0.18		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Potassium	48	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 23:00	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Vanadium	0.19		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:00	1
Zinc	1.7	B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 23:00	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		10/28/15 10:30	11/04/15 13:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:16	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:47	1
Thallium	0.0023		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:32	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (0-5)

Lab Sample ID: 500-102977-28

Date Collected: 10/22/15 10:20

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 86.4

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		10/28/15 17:30	10/29/15 10:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0067	mg/Kg	☼	10/27/15 16:00	10/28/15 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.54		0.54	0.18	mg/Kg	☼	10/28/15 15:30	10/28/15 22:57	1
pH	8.63		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Date Collected: 10/22/15 10:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0038	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Benzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Bromodichloromethane	<0.0049		0.0049	0.00082	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Bromoform	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
2-Butanone (MEK)	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Carbon disulfide	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Carbon tetrachloride	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Chlorobenzene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Chloroethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Chloroform	<0.0049		0.0049	0.00095	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Chloromethane	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
cis-1,2-Dichloroethene	<0.0049		0.0049	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
cis-1,3-Dichloropropene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Dibromochloromethane	<0.0049		0.0049	0.00056	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,1-Dichloroethane	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,2-Dichloroethane	<0.0049		0.0049	0.00072	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,1-Dichloroethene	<0.0049		0.0049	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,2-Dichloropropane	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,3-Dichloropropene, Total	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Ethylbenzene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Methylene Chloride	<0.0049		0.0049	0.0037	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Methyl tert-butyl ether	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Styrene	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,1,2,2-Tetrachloroethane	<0.0049		0.0049	0.00077	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Tetrachloroethene	<0.0049		0.0049	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Toluene	<0.0049		0.0049	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
trans-1,2-Dichloroethene	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
trans-1,3-Dichloropropene	<0.0049		0.0049	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,1,1-Trichloroethane	<0.0049		0.0049	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
1,1,2-Trichloroethane	<0.0049		0.0049	0.00094	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Trichloroethene	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Vinyl acetate	<0.0049		0.0049	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Vinyl chloride	<0.0049		0.0049	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1
Xylenes, Total	<0.0097		0.0097	0.0018	mg/Kg	☼	10/23/15 09:35	10/28/15 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 122	10/23/15 09:35	10/28/15 17:23	1
Dibromofluoromethane	104		75 - 120	10/23/15 09:35	10/28/15 17:23	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/23/15 09:35	10/28/15 17:23	1
Toluene-d8 (Surr)	112		75 - 122	10/23/15 09:35	10/28/15 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Date Collected: 10/22/15 10:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4-Dinitrophenol	<0.76	*	0.76	0.67	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Methylnaphthalene	<0.038		0.038	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
3-Nitroaniline	<0.38	*	0.38	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Date Collected: 10/22/15 10:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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	☼	10/27/15 19:00	10/30/15 18:27	1
N-Nitrosodi-n-propylamine	<0.19		0.19	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
Pyrene	0.0084	J	0.038	0.0075	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		25 - 119	10/27/15 19:00	10/30/15 18:27	1
2-Fluorophenol	82		25 - 110	10/27/15 19:00	10/30/15 18:27	1
Nitrobenzene-d5	82		25 - 115	10/27/15 19:00	10/30/15 18:27	1
Phenol-d5	82		31 - 110	10/27/15 19:00	10/30/15 18:27	1
Terphenyl-d14	97		36 - 134	10/27/15 19:00	10/30/15 18:27	1
2,4,6-Tribromophenol	64		35 - 137	10/27/15 19:00	10/30/15 18:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9.4		1.1	0.23	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Arsenic	20		0.56	0.26	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Barium	41		0.56	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Cadmium	<0.11		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Chromium	15	B	0.56	0.096	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Cobalt	14		0.28	0.063	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Copper	23	B	0.56	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Iron	17000		11	4.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Lead	13		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Magnesium	25000		5.6	2.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Calcium	60000	B	110	36	mg/Kg	☼	10/28/15 13:00	10/30/15 19:54	10
Manganese	270		0.56	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Nickel	24		0.56	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Selenium	0.40	J B	0.56	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 19:48	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	10/28/15 13:00	10/30/15 19:48	1
Vanadium	17		0.28	0.081	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Zinc	54		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 19:48	1
Potassium	2200		28	4.5	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1
Sodium	440		56	7.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Barium	0.57		0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:43	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:43	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Date Collected: 10/22/15 10:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	570	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:43	1
Magnesium	34		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:43	1
Manganese	1.4		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Potassium	3.3		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:43	1
Selenium	0.030	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:43	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:43	1
Zinc	0.18		0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Barium	0.088	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 23:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 23:06	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 23:06	1
Calcium	16	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 23:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Copper	0.018	J	0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Iron	0.64		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 23:06	1
Lead	0.0086		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 23:06	1
Magnesium	5.5	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:06	1
Manganese	0.011	J	0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Potassium	2.4	J B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 23:06	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:06	1
Zinc	0.15	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 23:06	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		10/28/15 10:30	11/04/15 13:17	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:17	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:38	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (5-10)

Lab Sample ID: 500-102977-29

Date Collected: 10/22/15 10:25

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.7

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		10/28/15 17:30	10/29/15 10:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.020	0.0068	mg/Kg	☼	10/27/15 16:00	10/28/15 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.57		0.57	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:57	1
pH	8.05		0.200	0.200	SU			10/29/15 16:21	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Date Collected: 10/22/15 10:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/23/15 09:35	10/28/15 17:48	1
Benzene	<0.0045		0.0045	0.00099	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Bromodichloromethane	<0.0045		0.0045	0.00075	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Bromoform	<0.0045		0.0045	0.00091	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Bromomethane	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
2-Butanone (MEK)	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Carbon disulfide	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Carbon tetrachloride	<0.0045		0.0045	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Chlorobenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Chloroethane	<0.0045		0.0045	0.0019	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Chloroform	<0.0045		0.0045	0.00087	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Chloromethane	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
cis-1,2-Dichloroethene	<0.0045		0.0045	0.00091	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
cis-1,3-Dichloropropene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Dibromochloromethane	<0.0045		0.0045	0.00051	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,1-Dichloroethane	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,2-Dichloroethane	<0.0045		0.0045	0.00066	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,1-Dichloroethene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,2-Dichloropropane	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,3-Dichloropropane, Total	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Ethylbenzene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Methylene Chloride	<0.0045		0.0045	0.0034	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
4-Methyl-2-pentanone (MIBK)	<0.0045		0.0045	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Methyl tert-butyl ether	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Styrene	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,1,2,2-Tetrachloroethane	<0.0045		0.0045	0.00071	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Tetrachloroethene	<0.0045		0.0045	0.00093	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Toluene	<0.0045		0.0045	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
trans-1,2-Dichloroethene	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
trans-1,3-Dichloropropene	<0.0045		0.0045	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,1,1-Trichloroethane	<0.0045		0.0045	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
1,1,2-Trichloroethane	<0.0045		0.0045	0.00086	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Trichloroethene	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Vinyl acetate	<0.0045		0.0045	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Vinyl chloride	<0.0045		0.0045	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1
Xylenes, Total	<0.0089		0.0089	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 122	10/23/15 09:35	10/28/15 17:48	1
Dibromofluoromethane	101		75 - 120	10/23/15 09:35	10/28/15 17:48	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/23/15 09:35	10/28/15 17:48	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/28/15 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Date Collected: 10/22/15 10:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/27/15 19:00	10/30/15 18:56	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4-Dinitrophenol	<0.79	*	0.79	0.69	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Methylnaphthalene	0.011	J	0.039	0.0072	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Date Collected: 10/22/15 10:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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	☼	10/27/15 19:00	10/30/15 18:56	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.048	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Phenanthrene	0.015	J	0.039	0.0055	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/27/15 19:00	10/30/15 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	102		25 - 119	10/27/15 19:00	10/30/15 18:56	1
2-Fluorophenol	97		25 - 110	10/27/15 19:00	10/30/15 18:56	1
Nitrobenzene-d5	100		25 - 115	10/27/15 19:00	10/30/15 18:56	1
Phenol-d5	95		31 - 110	10/27/15 19:00	10/30/15 18:56	1
Terphenyl-d14	121		36 - 134	10/27/15 19:00	10/30/15 18:56	1
2,4,6-Tribromophenol	59		35 - 137	10/27/15 19:00	10/30/15 18:56	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	☼	10/28/15 13:00	10/29/15 23:48	1
Arsenic	5.6		0.55	0.25	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Barium	43		0.55	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Beryllium	0.62		0.22	0.048	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Cadmium	0.15		0.11	0.032	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Chromium	16	B	0.55	0.095	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Cobalt	12		0.28	0.062	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Copper	20	B	0.55	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Iron	17000		11	4.2	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Lead	12		0.28	0.14	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Magnesium	24000		5.5	2.2	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Calcium	63000	B	110	35	mg/Kg	☼	10/28/15 13:00	10/30/15 20:03	10
Manganese	310		0.55	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Nickel	30		0.55	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Selenium	<0.55		0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Silver	<0.28		0.28	0.064	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Vanadium	17		0.28	0.080	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Zinc	59		1.1	0.35	mg/Kg	☼	10/28/15 13:00	10/30/15 19:58	1
Potassium	2300		28	4.5	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1
Sodium	170		55	7.3	mg/Kg	☼	10/28/15 13:00	10/29/15 23:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J B	0.050	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Barium	0.75		0.50	0.050	mg/L		10/28/15 10:30	10/28/15 23:48	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/28/15 23:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/28/15 23:48	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Date Collected: 10/22/15 10:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	540	B	2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Cobalt	0.012	J	0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/28/15 23:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/28/15 23:48	1
Magnesium	25		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:48	1
Manganese	1.9		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Nickel	0.036		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Potassium	4.8		2.5	0.50	mg/L		10/28/15 10:30	10/28/15 23:48	1
Selenium	0.030	J	0.050	0.020	mg/L		10/28/15 10:30	10/28/15 23:48	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/28/15 23:48	1
Zinc	0.031	J	0.10	0.020	mg/L		10/28/15 10:30	10/28/15 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Barium	0.14	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 23:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 23:13	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 23:13	1
Calcium	26	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 23:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Copper	0.024	J	0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Iron	0.78		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 23:13	1
Lead	0.0079		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 23:13	1
Magnesium	8.0	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:13	1
Manganese	0.043		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Potassium	3.9	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 23:13	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:13	1
Zinc	0.12	J B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 23:13	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		10/28/15 10:30	11/04/15 13:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:39	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B05 (10-15)

Lab Sample ID: 500-102977-30

Date Collected: 10/22/15 10:30

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 84.0

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		10/28/15 17:30	10/29/15 11:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.020	0.0069	mg/Kg	☼	10/27/15 16:00	10/28/15 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:58	1
pH	7.96		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Date Collected: 10/22/15 10:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0036	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Benzene	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Bromodichloromethane	<0.0047		0.0047	0.00080	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Bromoform	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Bromomethane	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
2-Butanone (MEK)	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Carbon disulfide	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Carbon tetrachloride	<0.0047		0.0047	0.0010	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Chlorobenzene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Chloroethane	<0.0047		0.0047	0.0020	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Chloroform	<0.0047		0.0047	0.00092	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Chloromethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
cis-1,2-Dichloroethene	<0.0047		0.0047	0.00096	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
cis-1,3-Dichloropropene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Dibromochloromethane	<0.0047		0.0047	0.00054	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,1-Dichloroethane	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,2-Dichloroethane	<0.0047		0.0047	0.00070	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,1-Dichloroethene	<0.0047		0.0047	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,2-Dichloropropane	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,3-Dichloropropene, Total	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Ethylbenzene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Methylene Chloride	<0.0047		0.0047	0.0036	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.00097	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Methyl tert-butyl ether	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Styrene	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,1,2,2-Tetrachloroethane	<0.0047		0.0047	0.00075	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Tetrachloroethene	<0.0047		0.0047	0.00098	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Toluene	<0.0047		0.0047	0.0016	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
trans-1,2-Dichloroethene	<0.0047		0.0047	0.0012	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
trans-1,3-Dichloropropene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,1,1-Trichloroethane	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
1,1,2-Trichloroethane	<0.0047		0.0047	0.00091	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Trichloroethene	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Vinyl acetate	<0.0047		0.0047	0.0013	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Vinyl chloride	<0.0047		0.0047	0.0011	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1
Xylenes, Total	<0.0094		0.0094	0.0017	mg/Kg	☼	10/23/15 09:35	10/28/15 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 122	10/23/15 09:35	10/28/15 18:13	1
Dibromofluoromethane	99		75 - 120	10/23/15 09:35	10/28/15 18:13	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/23/15 09:35	10/28/15 18:13	1
Toluene-d8 (Surr)	113		75 - 122	10/23/15 09:35	10/28/15 18:13	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	☼	10/27/15 19:00	10/30/15 19:25	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Anthracene	0.0086	J	0.039	0.0066	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Benzo[a]anthracene	0.039		0.039	0.0053	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Date Collected: 10/22/15 10:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	0.039		0.039	0.0077	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Benzo[b]fluoranthene	0.061		0.039	0.0086	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Benzo[g,h,i]perylene	0.017	J	0.039	0.013	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Benzo[k]fluoranthene	0.028	J	0.039	0.012	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Chrysene	0.049		0.039	0.011	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Fluoranthene	0.12		0.039	0.0074	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Indeno[1,2,3-cd]pyrene	0.018	J	0.039	0.010	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Methylnaphthalene	<0.039		0.039	0.0073	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
3-Nitroaniline	<0.39	*	0.39	0.12	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Date Collected: 10/22/15 10:45

Matrix: Solid

Date Received: 10/23/15 08:50

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	<0.80		0.80	0.38	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
N-Nitrosodi-n-propylamine	<0.20		0.20	0.049	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Phenanthrene	0.058		0.039	0.0055	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
Pyrene	0.088		0.039	0.0079	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/27/15 19:00	10/30/15 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		25 - 119	10/27/15 19:00	10/30/15 19:25	1
2-Fluorophenol	88		25 - 110	10/27/15 19:00	10/30/15 19:25	1
Nitrobenzene-d5	95		25 - 115	10/27/15 19:00	10/30/15 19:25	1
Phenol-d5	90		31 - 110	10/27/15 19:00	10/30/15 19:25	1
Terphenyl-d14	118		36 - 134	10/27/15 19:00	10/30/15 19:25	1
2,4,6-Tribromophenol	77		35 - 137	10/27/15 19:00	10/30/15 19:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.2	0.25	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Arsenic	9.3		0.60	0.28	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Barium	38		0.60	0.11	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Beryllium	0.67		0.24	0.052	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Cadmium	0.17		0.12	0.035	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Chromium	16	B	0.60	0.10	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Cobalt	14		0.30	0.067	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Copper	30	B	0.60	0.13	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Iron	19000		12	4.6	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Lead	20		0.30	0.15	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Magnesium	22000		6.0	2.4	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Calcium	35000	B	12	3.8	mg/Kg	☼	10/28/15 13:00	10/30/15 20:07	1
Manganese	350		0.60	0.12	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Nickel	36		0.60	0.16	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Selenium	0.32	J	0.60	0.30	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Thallium	<0.60		0.60	0.29	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Vanadium	18		0.30	0.087	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Zinc	67		1.2	0.38	mg/Kg	☼	10/28/15 13:00	10/30/15 20:07	1
Potassium	2000		30	4.9	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1
Sodium	840		60	7.9	mg/Kg	☼	10/28/15 13:00	10/29/15 23:53	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J B	0.050	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Barium	0.45	J	0.50	0.050	mg/L		10/28/15 10:30	10/29/15 00:02	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/28/15 10:30	10/29/15 00:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/28/15 10:30	10/29/15 00:02	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Date Collected: 10/22/15 10:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	430	B	2.5	0.50	mg/L		10/28/15 10:30	10/29/15 00:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Cobalt	0.011	J	0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Copper	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Iron	<0.20		0.20	0.20	mg/L		10/28/15 10:30	10/29/15 00:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/28/15 10:30	10/29/15 00:02	1
Magnesium	49		2.5	0.50	mg/L		10/28/15 10:30	10/29/15 00:02	1
Manganese	5.7		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Potassium	2.5		2.5	0.50	mg/L		10/28/15 10:30	10/29/15 00:02	1
Selenium	0.026	J	0.050	0.020	mg/L		10/28/15 10:30	10/29/15 00:02	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Vanadium	<0.025		0.025	0.010	mg/L		10/28/15 10:30	10/29/15 00:02	1
Zinc	0.33		0.10	0.020	mg/L		10/28/15 10:30	10/29/15 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.052		0.050	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Barium	0.46	J	0.50	0.050	mg/L		10/28/15 12:00	10/28/15 23:20	1
Beryllium	0.0048		0.0040	0.0040	mg/L		10/28/15 12:00	10/28/15 23:20	1
Cadmium	<0.0050	^	0.0050	0.0020	mg/L		10/28/15 12:00	10/28/15 23:20	1
Calcium	49	B	5.0	0.50	mg/L		10/28/15 12:00	10/28/15 23:20	1
Chromium	0.10		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Cobalt	0.050		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Copper	0.15		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Iron	110		0.20	0.20	mg/L		10/28/15 12:00	10/28/15 23:20	1
Lead	0.068		0.0075	0.0075	mg/L		10/28/15 12:00	10/28/15 23:20	1
Magnesium	34	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:20	1
Manganese	1.8		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Nickel	0.13		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Potassium	31	B	2.5	0.50	mg/L		10/28/15 12:00	10/28/15 23:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/28/15 12:00	10/28/15 23:20	1
Silver	<0.025		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Vanadium	0.14		0.025	0.010	mg/L		10/28/15 12:00	10/28/15 23:20	1
Zinc	0.92	B	0.50	0.020	mg/L		10/28/15 12:00	10/28/15 23:20	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		10/28/15 10:30	11/04/15 13:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		10/28/15 10:30	11/04/15 13:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^	0.0060	0.0060	mg/L		10/28/15 12:00	11/04/15 14:49	1
Thallium	0.0025		0.0020	0.0020	mg/L		10/28/15 12:00	11/04/15 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/28/15 17:30	10/29/15 11:41	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-B06 (0-4)

Lab Sample ID: 500-102977-31

Date Collected: 10/22/15 10:45

Matrix: Solid

Date Received: 10/23/15 08:50

Percent Solids: 83.1

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		10/28/15 17:30	10/29/15 11:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.017	0.0061	mg/Kg	☼	10/27/15 16:00	10/28/15 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.58		0.58	0.19	mg/Kg	☼	10/28/15 15:30	10/28/15 22:58	1
pH	8.15		0.200	0.200	SU			10/30/15 14:50	1



Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-G01

Lab Sample ID: 500-102977-32

Date Collected: 10/22/15 15:45

Matrix: Water

Date Received: 10/23/15 08:50

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0050		0.0050	0.0017	mg/L			10/30/15 15:34	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/30/15 15:34	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:34	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/30/15 15:34	1
Bromomethane	<0.0020		0.0020	0.00080	mg/L			10/30/15 15:34	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/30/15 15:34	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/30/15 15:34	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:34	1
Chloroethane	<0.0010		0.0010	0.00047	mg/L			10/30/15 15:34	1
Chloroform	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:34	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/30/15 15:34	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/30/15 15:34	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/30/15 15:34	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/30/15 15:34	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/30/15 15:34	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:34	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:34	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/30/15 15:34	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/30/15 15:34	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/30/15 15:34	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/30/15 15:34	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/30/15 15:34	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/30/15 15:34	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/30/15 15:34	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:34	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/30/15 15:34	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/30/15 15:34	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/30/15 15:34	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/30/15 15:34	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/30/15 15:34	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/30/15 15:34	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/30/15 15:34	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/30/15 15:34	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/30/15 15:34	1
Vinyl acetate	<0.0020		0.0020	0.00091	mg/L			10/30/15 15:34	1
Vinyl chloride	<0.00050		0.00050	0.00020	mg/L			10/30/15 15:34	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/30/15 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 120		10/30/15 15:34	1
Dibromofluoromethane	99		75 - 120		10/30/15 15:34	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 125		10/30/15 15:34	1
Toluene-d8 (Surr)	93		75 - 120		10/30/15 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/28/15 14:20	1
Acenaphthylene	<0.00073		0.00073	0.00019	mg/L		10/27/15 08:00	10/28/15 14:20	1
Anthracene	<0.00073		0.00073	0.00024	mg/L		10/27/15 08:00	10/28/15 14:20	1
Benzo[a]anthracene	<0.00012		0.00012	0.000041	mg/L		10/27/15 08:00	10/28/15 14:20	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
 Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-G01

Lab Sample ID: 500-102977-32

Date Collected: 10/22/15 15:45

Matrix: Water

Date Received: 10/23/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.00015		0.00015	0.000072	mg/L		10/27/15 08:00	10/28/15 14:20	1
Benzo[b]fluoranthene	<0.00015		0.00015	0.000059	mg/L		10/27/15 08:00	10/28/15 14:20	1
Benzo[g,h,i]perylene	<0.00073		0.00073	0.00027	mg/L		10/27/15 08:00	10/28/15 14:20	1
Benzo[k]fluoranthene	<0.00015		0.00015	0.000047	mg/L		10/27/15 08:00	10/28/15 14:20	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00021	mg/L		10/27/15 08:00	10/28/15 14:20	1
Bis(2-chloroethyl)ether	<0.0015		0.0015	0.00021	mg/L		10/27/15 08:00	10/28/15 14:20	1
Bis(2-ethylhexyl) phthalate	<0.0073		0.0073	0.0012	mg/L		10/27/15 08:00	10/28/15 14:20	1
4-Bromophenyl phenyl ether	<0.0036		0.0036	0.00039	mg/L		10/27/15 08:00	10/28/15 14:20	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00035	mg/L		10/27/15 08:00	10/28/15 14:20	1
Carbazole	<0.0036		0.0036	0.00026	mg/L		10/27/15 08:00	10/28/15 14:20	1
4-Chloroaniline	<0.0073		0.0073	0.0015	mg/L		10/27/15 08:00	10/28/15 14:20	1
4-Chloro-3-methylphenol	<0.0073		0.0073	0.0017	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Chloronaphthalene	<0.0015		0.0015	0.00017	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Chlorophenol	<0.0036		0.0036	0.00041	mg/L		10/27/15 08:00	10/28/15 14:20	1
4-Chlorophenyl phenyl ether	<0.0036		0.0036	0.00046	mg/L		10/27/15 08:00	10/28/15 14:20	1
Chrysene	<0.00036		0.00036	0.000050	mg/L		10/27/15 08:00	10/28/15 14:20	1
Dibenz(a,h)anthracene	<0.00022		0.00022	0.000037	mg/L		10/27/15 08:00	10/28/15 14:20	1
Dibenzofuran	<0.0015		0.0015	0.00019	mg/L		10/27/15 08:00	10/28/15 14:20	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/27/15 08:00	10/28/15 14:20	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00015	mg/L		10/27/15 08:00	10/28/15 14:20	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00015	mg/L		10/27/15 08:00	10/28/15 14:20	1
3,3'-Dichlorobenzidine	<0.0036		0.0036	0.0012	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4-Dichlorophenol	<0.0073		0.0073	0.0019	mg/L		10/27/15 08:00	10/28/15 14:20	1
Diethyl phthalate	<0.0015		0.0015	0.00026	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4-Dimethylphenol	<0.0073		0.0073	0.0013	mg/L		10/27/15 08:00	10/28/15 14:20	1
Dimethyl phthalate	<0.0015		0.0015	0.00023	mg/L		10/27/15 08:00	10/28/15 14:20	1
Di-n-butyl phthalate	<0.0036		0.0036	0.00053	mg/L		10/27/15 08:00	10/28/15 14:20	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0043	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4-Dinitrophenol	<0.015		0.015	0.0063	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4-Dinitrotoluene	<0.00073		0.00073	0.00018	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,6-Dinitrotoluene	<0.00036		0.00036	0.000054	mg/L		10/27/15 08:00	10/28/15 14:20	1
Di-n-octyl phthalate	<0.0073		0.0073	0.00076	mg/L		10/27/15 08:00	10/28/15 14:20	1
Fluoranthene	<0.00073		0.00073	0.00033	mg/L		10/27/15 08:00	10/28/15 14:20	1
Fluorene	<0.00073		0.00073	0.00018	mg/L		10/27/15 08:00	10/28/15 14:20	1
Hexachlorobenzene	<0.00036		0.00036	0.000058	mg/L		10/27/15 08:00	10/28/15 14:20	1
Hexachlorobutadiene	<0.0036		0.0036	0.00037	mg/L		10/27/15 08:00	10/28/15 14:20	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0046	mg/L		10/27/15 08:00	10/28/15 14:20	1
Hexachloroethane	<0.0036		0.0036	0.00044	mg/L		10/27/15 08:00	10/28/15 14:20	1
Indeno[1,2,3-cd]pyrene	<0.00015		0.00015	0.000054	mg/L		10/27/15 08:00	10/28/15 14:20	1
Isophorone	<0.0015		0.0015	0.00027	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Methylnaphthalene	<0.00036		0.00036	0.000047	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Methylphenol	<0.0015		0.0015	0.00022	mg/L		10/27/15 08:00	10/28/15 14:20	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00033	mg/L		10/27/15 08:00	10/28/15 14:20	1
Naphthalene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Nitroaniline	<0.0036		0.0036	0.00094	mg/L		10/27/15 08:00	10/28/15 14:20	1
3-Nitroaniline	<0.0073		0.0073	0.0013	mg/L		10/27/15 08:00	10/28/15 14:20	1
4-Nitroaniline	<0.0073		0.0073	0.0012	mg/L		10/27/15 08:00	10/28/15 14:20	1
Nitrobenzene	<0.00073		0.00073	0.00033	mg/L		10/27/15 08:00	10/28/15 14:20	1
2-Nitrophenol	<0.0073		0.0073	0.0018	mg/L		10/27/15 08:00	10/28/15 14:20	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-G01

Lab Sample ID: 500-102977-32

Date Collected: 10/22/15 15:45

Matrix: Water

Date Received: 10/23/15 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.015		0.015	0.0054	mg/L		10/27/15 08:00	10/28/15 14:20	1
N-Nitrosodi-n-propylamine	<0.00036		0.00036	0.00011	mg/L		10/27/15 08:00	10/28/15 14:20	1
N-Nitrosodiphenylamine	<0.00073		0.00073	0.00027	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00028	mg/L		10/27/15 08:00	10/28/15 14:20	1
Pentachlorophenol	<0.015		0.015	0.0029	mg/L		10/27/15 08:00	10/28/15 14:20	1
Phenanthrene	<0.00073		0.00073	0.00022	mg/L		10/27/15 08:00	10/28/15 14:20	1
Phenol	<0.0036		0.0036	0.00049	mg/L		10/27/15 08:00	10/28/15 14:20	1
Pyrene	<0.00073		0.00073	0.00031	mg/L		10/27/15 08:00	10/28/15 14:20	1
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00017	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4,5-Trichlorophenol	<0.0073		0.0073	0.0019	mg/L		10/27/15 08:00	10/28/15 14:20	1
2,4,6-Trichlorophenol	<0.0036		0.0036	0.00052	mg/L		10/27/15 08:00	10/28/15 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		41 - 132				10/27/15 08:00	10/28/15 14:20	1
2-Fluorophenol	68		32 - 110				10/27/15 08:00	10/28/15 14:20	1
Nitrobenzene-d5	80		47 - 134				10/27/15 08:00	10/28/15 14:20	1
Phenol-d5	52		25 - 100				10/27/15 08:00	10/28/15 14:20	1
Terphenyl-d14	87		59 - 150				10/27/15 08:00	10/28/15 14:20	1
2,4,6-Tribromophenol	118		53 - 150				10/27/15 08:00	10/28/15 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0010	mg/L		10/26/15 10:30	10/27/15 16:36	1
Arsenic	0.013		0.0010	0.00044	mg/L		10/26/15 10:30	10/30/15 14:20	1
Barium	0.40		0.0025	0.00084	mg/L		10/26/15 10:30	10/27/15 16:36	1
Beryllium	0.00056	J	0.0010	0.00024	mg/L		10/26/15 10:30	10/27/15 16:36	1
Cadmium	0.0014		0.00050	0.00019	mg/L		10/26/15 10:30	10/27/15 16:36	1
Calcium	950		4.0	2.1	mg/L		10/26/15 10:30	10/28/15 17:33	20
Chromium	0.0089		0.0050	0.00061	mg/L		10/26/15 10:30	10/27/15 16:36	1
Cobalt	0.011		0.0010	0.00019	mg/L		10/26/15 10:30	10/27/15 16:36	1
Copper	0.036		0.0020	0.00096	mg/L		10/26/15 10:30	11/02/15 12:14	1
Iron	12		0.10	0.026	mg/L		10/26/15 10:30	10/27/15 16:36	1
Lead	0.021		0.00050	0.00014	mg/L		10/26/15 10:30	10/27/15 16:36	1
Magnesium	500		2.0	0.83	mg/L		10/26/15 10:30	11/02/15 12:17	10
Manganese	0.91		0.0025	0.00099	mg/L		10/26/15 10:30	10/27/15 16:36	1
Nickel	0.025		0.0020	0.00053	mg/L		10/26/15 10:30	10/27/15 16:36	1
Potassium	8.4		0.50	0.19	mg/L		10/26/15 10:30	10/27/15 16:36	1
Selenium	0.0016	J	0.0025	0.00083	mg/L		10/26/15 10:30	10/27/15 16:36	1
Silver	0.00012	J	0.00050	0.000080	mg/L		10/26/15 10:30	10/27/15 16:36	1
Sodium	1900		100	44	mg/L		10/26/15 10:30	11/02/15 16:25	500
Thallium	0.0013	J	0.0020	0.00059	mg/L		10/26/15 10:30	10/27/15 16:36	1
Vanadium	0.018	B	0.0050	0.0022	mg/L		10/26/15 10:30	10/30/15 14:20	1
Zinc	0.052		0.020	0.0046	mg/L		10/26/15 10:30	10/27/15 16:36	1

Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000080	J	0.00020	0.000061	mg/L		10/26/15 08:30	10/26/15 11:27	1

TestAmerica Chicago

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Client Sample ID: 2678-25-G01

Lab Sample ID: 500-102977-32

Date Collected: 10/22/15 15:45

Matrix: Water

Date Received: 10/23/15 08:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010	0.0021	mg/L		10/30/15 14:40	10/30/15 16:45	1

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: IDOT - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
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.
α	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 - Schaumburg - WO 03

TestAmerica Job ID: 500-102977-2

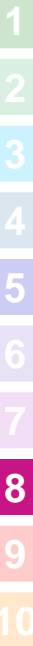
Laboratory: TestAmerica Chicago

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	04-30-16

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		Water	1,3-Dichloropropene, Total
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

Report To (optional)
 Contact: Matt Weiss
 Company: Terracon
 Address: 135 Ambassador Dr.
 Address: Naperville, IL 60540
 Phone: 630-717-9163
 Fax: 630-357-9489
 E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977

Chain of Custody Number: _____

Page _____ of _____

Temperature °C of Cooler: _____

Client		Client Project #		Preservative								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	
Project Name		Lab Project #		Parameter									
Project Location/State		Lab Project #		Parameter									
Sampler		Lab PM		Parameter									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total 24 Inorganics	TCLP 24 Inorganics	SPLP 24 Inorganics	pH	Comments
21		2678-25-B01 (0-5)	10/22/15	8:50	6	S	✓	✓	✓	✓	✓	✓	
22		2678-25-B01 (5-10)	10/22/15	8:55	6	S	✓	✓	✓	✓	✓	✓	
23		2678-25-B01 (10-14)	10/22/15	9:00	6	S	✓	✓	✓	✓	✓	✓	
24		2678-25-B02 (0-4)	10/22/15	9:15	6	S	✓	✓	✓	✓	✓	✓	
25		2678-25-B02 (0-4) Dup	10/22/15	9:20	6	S	✓	✓	✓	✓	✓	✓	
26		2678-25-B03 (0-4)	10/22/15	9:45	6	S	✓	✓	✓	✓	✓	✓	
27		2678-25-B04 (0-4)	10/22/15	10:00	6	S	✓	✓	✓	✓	✓	✓	
28		2678-25-B05 (0-5)	10/22/15	10:20	6	S	✓	✓	✓	✓	✓	✓	
29		2678-25-B05 (5-10)	10/22/15	10:25	6	S	✓	✓	✓	✓	✓	✓	
30		2678-25-B05 (10-15)	10/22/15	10:30	6	S	✓	✓	✓	✓	✓	✓	

Turnaround Time Required (Business Days)

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

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>7:45</u>	Received By <u>Matt Weiss</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0745</u>
Relinquished By <u>Matt Weiss</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0850</u>	Received By <u>Sherrill Scott</u>	Company <u>TA-CHI</u>	Date <u>10/23/15</u>	Time <u>0850</u>

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments
 Please meet IL TACO requirements
 and do NOT run Aluminum analysis.
 Thank you.

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-717-9263
Fax: 630-357-9489
E-Mail: Matt.Weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key	
		<u>11157103</u>																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	
Project Name		Lab Project #		Sampling		Matrix												Comments	
<u>Schwabweg, IL</u>				Date Time		# of Containers Matrix													
Sampler <u>Chad Kelly</u>		Lab PM																	
Lab ID	MS/MSD	Sample ID		Date	Time	# of Containers	Matrix												
<u>31</u>		<u>2678-25-B06(04)</u>		<u>10/23/15</u>	<u>10:45</u>	<u>6</u>	<u>S</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				

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 <u>Chad Kelly</u>	Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>7:45</u>	Received By <u>Randy Williams</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0745</u>
Relinquished By <u>Daniel Cullis</u>	Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0850</u>	Received By <u>Sherrin</u>	Company <u>TA-CHE</u>	Date <u>10/23/15</u>	Time <u>0850</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: Please meet IL TACO requirements and please do NOT run Aluminum analysis. Thank you.

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Matt Weiss
Company: Terracon
Address: 135 Ambassador Dr.
Address: Naperville, IL 60540
Phone: 630-717-1203
Fax: 630-957-9489
E-Mail: matt.weiss@terracon.com

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

Chain of Custody Record

Lab Job #: 500-102977
Chain of Custody Number: _____
Page _____ of _____
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter														Preservative Key		
		<u>11157103</u>																		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		
Project Name		Lab Project #		Sampling		Matrix														Comments		
<u>Schaumburg, IL</u>				Date Time		# of Containers Matrix																
Sampler		Lab PM																				
<u>Brad Kelly</u>																						
Lab ID	MS/MSD	Sample ID																				
<u>32</u>		<u>2678-25-601</u>		<u>10/22/15</u>	<u>3:45</u>	<u>6</u>	<u>W</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>VOCS</u>	<u>SVOCs</u>	<u>Total 24</u>	<u>Inorganics</u>								

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 <u>Brad Kelly</u> Company <u>Terracon</u>	Date <u>10/23/15</u>	Time <u>7:45</u>	Received By <u>Daniel Phillips</u> Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0745</u>
Relinquished By <u>Daniel Phillips</u> Company <u>TA</u>	Date <u>10/23/15</u>	Time <u>0850</u>	Received By <u>Shawn Scott</u> Company <u>TA-CHI</u>	Date <u>10/23/15</u>	Time <u>0850</u>
Relinquished By _____	Date _____	Time _____	Received By _____	Date _____	Time _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
Please meet IL TACO requirements
& do NOT run Aluminum.
Thank you.

Lab Comments:



Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 500-102977-2

Login Number: 102977

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7,3.2,2.8
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.	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.	False	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

