Illinois Environmental Protection Agency

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

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

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

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

I. Source Location Information

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

Project Name: FAU 2857: Ashland Ave. at 138th Street Office Phone Number, if available: _____

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

13900 Block of S. Ashland Ave. (ISGS Site No. 2215-5)

City: Dixmoor State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.640639 (Decimal Degrees) Longitude: -87.659703 (-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	City:	Schaumburg
State:	IL	State:	IL
Zip Code:	60196-1096	Zip Code:	60196-1096
Phone:	847-705-4101	Phone:	847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

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

Project Name: FAU 2857: Ashland Ave. at 138th Street

Latitude: 41.640639 Longitude: -87.659703

Uncontaminated Site Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS IHB-1 THROUGH IHB-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 2215-5. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TESTAMERICA ANALYTICAL REPORT - JOB IDs: 500-109818-1.
ALSO SEE FIGURE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

Company Name: Weston Solutions, Inc.

Street Address: 300 Circle Plaza; Suite 202

City: Mundelein State: IL Zip Code: 60060

Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2 MAY 2016
Date:

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

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

Summary Table of ISGS Site No. 2215-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2857: Ashland Avenue at 138th Street
Dixmoor and Riverdale, Cook County, Illinois

Field Sample ID	IHB-1(0-4)-040616	IHB-1(4-8)-040616	IHB-1(8-13.5)-040616	IHB-2(0-4)-040616	IHB-2(0-4)-040616D	Soil Reference Concentrations[A]
Sample Date	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	
Location ID	IHB-1	IHB-1	IHB-1	IHB-2	IHB-2	
Depth	0 - 4	4 - 8	8 - 13.5	0 - 4	0 - 4	
Lab Sample ID	500-109818-5	500-109818-6	500-109818-7	500-109818-1	500-109818-2	
ISGS Site No.	2212-5	2212-5	2212-5	2212-5	2212-5	
Parameter						
Laboratory pH (standard units)	7.88	7.77	7.21	7.77	7.57	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	150	ND	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	26 J	20 J	14 J	14 J	11 J	---
Acenaphthene	ND	12 J	18 J	ND	ND	570000
Acenaphthylene	6.6 J	17 J	8.9 J	7.9 J	ND	---
Anthracene	13 J	28 J	60	10 J	9 J	1.20E+07
Benzo(a)anthracene	42	92	120	46	37 J	900 / 1100 / 1800
Benzo(a)pyrene	43	100	110	53	39	90 / 1300 / 2100
Benzo(b)fluoranthene	88	190	190	80 J+	73	900 / 1500 / 2100
Benzo(g,h,i)perylene	22 J	54	42	27 J	22 J	---
Benzo(k)fluoranthene	34 J	73	92	30 J	30 J	9000
Chrysene	60	120	150	65	54	88000
Fluoranthene	90	180	360	77	77	3100000
Fluorene	ND	8.9 J	24 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	20 J	44	46	21 J	16 J	900 / 900 / 1600
Naphthalene, SVOC	16 J	13 J	11 J	10 J	12 J	1800
Phenanthrene	86	96	300	57	52	---
Pyrene	87	170	290	85	71	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	0.44 J	0.5 J	5
Arsenic, Total	7.1	11	11	9.6	9.1	11.3 / 13.0
Barium, Total	59	50	45	44	39	1500
Beryllium, Total	0.77	0.73	0.72	0.65	0.67	22
Cadmium, Total	ND	0.051 J	0.044 J	0.076 J	0.032 J	5.2
Calcium, Total	25000 J	34000 J	33000 J	53000 J	62000 J	---
Chromium, Total	18 B	17 B	17 B	17 B	16 B	21
Cobalt, Total	13 J	14 J	19 J	18 J	14 J	20
Copper, Total	23	28	27	28	29	2900
Iron, Total	18000 J-	22000 J-	22000 J-	21000 J-	21000 J-	15000 / 15900
Lead, Total	19 J	33 J	23 J	26 J	28 J	107
Magnesium, Total	17000 J	20000 J	20000 J	21000 J	20000 J	325000
Manganese, Total	320 J	400 J	470 J	560 J	340 J	630 / 636
Mercury, Total	0.064	0.051	0.057	0.029	0.045	0.89
Nickel, Total	37 J-	34 J-	42 J-	42 J-	34 J-	100
Potassium, Total	2600 J+	2300 J+	2500 J+	2300 J+	2100 J+	---
Selenium, Total	0.55 J	0.98 J-	0.63 J-	0.5 J	0.35 J	1.3
Sodium, Total	180 B	170 B	160 B	120	130	---
Thallium, Total	0.49 J	0.34 J	0.44 J	ND	0.51 J	2.6
Vanadium, Total	21	20	20	20	19	550
Zinc, Total	70	82	85	79	80	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.33 J	0.35 J	0.28 J	0.2 J	0.19 J	2
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.021 J	0.022 J	0.016 J	ND	ND	1
Iron, TCLP	0.25 J	ND	0.25 J	0.2 J	0.2 J	5
Lead, TCLP	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	3.7	2.9	2.3	0.2 J	0.57 J	0.15
Nickel, TCLP	0.031	0.031	0.023 J	ND	0.01 J	0.1
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	0.058 J	ND	ND	2
Chromium, SPLP	ND	ND	0.017 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	0.015 J	ND	ND	0.65
Iron, SPLP	2.2 J+	4.3 J+	15 J+	0.24 J	ND	5
Lead, SPLP	ND	ND	0.012	ND	ND	0.0075
Manganese, SPLP	0.023 J	0.025	0.076	ND	ND	0.15
Nickel, SPLP	ND	ND	0.017 J	ND	ND	0.1
Zinc, SPLP	ND	0.024 J	0.051 J	ND	ND	5

Summary Table of ISGS Site No. 2215-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2857: Ashland Avenue at 138th Street
Dixmoor and Riverdale, Cook County, Illinois

Field Sample ID	IHB-2(4-8)-040616	IHB-2(8-13.5)-040616	IHB-3(0-4)-040616	IHB-3(4-8)-040616	IHB-3(8-13.5)-040616	Soil Reference Concentrations[A]
Sample Date	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	
Location ID	IHB-2	IHB-2	IHB-3	IHB-3	IHB-3	
Depth	4 - 8	8 - 13.5	0 - 4	4 - 8	8 - 13.5	
Lab Sample ID	500-109818-3	500-109818-4	500-109818-8	500-109818-9	500-109818-10	
ISGS Site No.	2212-5	2212-5	2212-5	2212-5	2212-5	
Parameter						
Laboratory pH (standard units)	7.56	7.86	7.92	7.3	8.19	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	25	ND	ND	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	22 J	42	31 J	11 J	16 J	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	16 J	ND	ND	---
Anthracene	9.4 J	ND	20 J	ND	ND	1.20E+07
Benzo(a)anthracene	22 J	10 J	62	6.3 J	12 J	900 / 1100 / 1800
Benzo(a)pyrene	30 J	ND	69	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	35 J	ND	140	ND	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	25 J	ND	ND	---
Benzo(k)fluoranthene	17 J	ND	53	ND	ND	9000
Chrysene	38 J	19 J	89	19 J	23 J	88000
Fluoranthene	45	23 J	100	15 J	23 J	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	26 J	ND	ND	900 / 900 / 1600
Naphthalene, SVOC	11 J	17 J	19 J	ND	13 J	1800
Phenanthrene	68	77	100	26 J	92	---
Pyrene	46	28 J	120	20 J	32 J	2300000
Total Metals (mg/kg)						
Antimony, Total	0.44 J	0.44 J	ND	ND	ND	5
Arsenic, Total	9	7.8	8.2	9	11	11.3 / 13.0
Barium, Total	37	38	50	41	43	1500
Beryllium, Total	0.61	0.61	0.74	0.72	0.75	22
Cadmium, Total	ND	ND	0.1 J	0.035 J	ND	5.2
Calcium, Total	61000 J	78000 J	48000 J	22000 J	21000 J	---
Chromium, Total	15 B	15 B	16 B	16 B	17 B	21
Cobalt, Total	16 J	13 J	13 J	13 J	18 J	20
Copper, Total	30	23	25	28	33	2900
Iron, Total	20000 J-	19000 J-	19000 J-	19000 J-	24000 J-	15000 / 15900
Lead, Total	21 J	18 J	24 J	20 J	21 J	107
Magnesium, Total	22000 J	28000 J	20000 J	14000 J	14000 J	325000
Manganese, Total	390 J	400 J	340 J	350 J	370 J	630 / 636
Mercury, Total	0.036	0.031	0.049	0.027	0.076	0.89
Nickel, Total	35 J-	31 J-	33 J-	34 J-	39 J-	100
Potassium, Total	2100 J+	2300 J+	2300 J+	2200 J+	2300 J+	---
Selenium, Total	ND	ND	0.6 J-	0.88 J-	0.86 J-	1.3
Sodium, Total	130	150	150 B	110 B	110 B	---
Thallium, Total	0.43 J	0.32 J	0.34 J	0.36 J	0.37 J	2.6
Vanadium, Total	18	18	19	20	20	550
Zinc, Total	60	67	82	68	79	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.094 J	0.4 J	0.5	0.29 J	0.44 J	2
Cadmium, TCLP	0.0022 J	ND	ND	ND	ND	0.005
Cobalt, TCLP	0.021 J	0.015 J	ND	ND	0.01 J	1
Iron, TCLP	ND	ND	ND	0.34 J	ND	5
Lead, TCLP	0.0083	ND	ND	ND	ND	0.0075
Manganese, TCLP	3.3	4.2	0.9	0.52	1.9	0.15
Nickel, TCLP	0.04	0.017 J	0.01 J	ND	0.018 J	0.1
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.028 J	ND	ND	0.05
Barium, SPLP	ND	0.088 J	0.19 J	0.055 J	ND	2
Chromium, SPLP	ND	0.022 J	0.073	0.019 J	0.013 J	0.1
Cobalt, SPLP	ND	ND	0.021 J	ND	ND	1
Copper, SPLP	ND	0.016 J	0.067	0.017 J	ND	0.65
Iron, SPLP	ND	16 J+	68 J+	17 J+	10 J+	5
Lead, SPLP	ND	0.013	0.05	ND	ND	0.0075
Manganese, SPLP	ND	0.25	0.29	0.06	0.07	0.15
Nickel, SPLP	ND	0.022 J	0.072	0.017 J	0.012 J	0.1
Zinc, SPLP	ND	0.046 J	0.24 J	0.058 J	0.038 J	5

Summary Table of ISGS Site No. 2215-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 2857: Ashland Avenue at 138th Street
Dixmoor and Riverdale, Cook County, Illinois

Notes:

--- - not applicable or value not available.

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

* - Laboratory control standard or its duplicate is outside of acceptance limits.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-109818-1
Client Project/Site: IDOT - Dixmoor/Riverdale - WO 043

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

Attn: Mr. S. Babusukumar

Authorized for release by:
4/15/2016 3:23:15 PM

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

Table of Contents

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Job ID: 500-109818-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-109818-1

Comments
No additional comments.

Receipt
The samples were received on 4/6/2016 11:47 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method(s) 8260B: The matrix spike duplicate was analyzed 21 minutes past the 12 hour tune time.

IHB-3(8-13.5)-040616 (500-109818-10)

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

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described 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: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-2(0-4)-040616 — Lab Sample ID: 500-109818-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	14	J	39	7.2	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	7.9	J	39	5.2	ug/Kg	1	☼	8270D	Total/NA
Anthracene	10	J	39	6.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	46		39	5.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	53		39	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	80		39	8.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	27	J F1	39	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	30	J	39	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	65		39	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	77		39	7.3	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	21	J	39	10	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	10	J	39	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	57		39	5.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	85		39	7.8	ug/Kg	1	☼	8270D	Total/NA
Barium	0.20	J	0.50	0.050	mg/L	1		6010B	TCLP
Iron	0.20	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	0.20		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.026	J B	0.50	0.020	mg/L	1		6010B	TCLP
Iron	0.24	J	0.40	0.20	mg/L	1		6010B	SPLP East
Antimony	0.44	J F1	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.6		0.56	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	44		0.56	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.076	J	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	53000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Chromium	17	B	0.56	0.096	mg/Kg	1	☼	6010B	Total/NA
Cobalt	18		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.56	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	26		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	21000		5.6	2.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	560		0.56	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	42	F1	0.56	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.50	J F1	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Sodium	120		56	7.3	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	79		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Mercury	29		18	9.2	ug/Kg	1	☼	7471B	Total/NA
pH	7.77		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-2(0-4)-040616D — Lab Sample ID: 500-109818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	11	J	39	7.3	ug/Kg	1	☼	8270D	Total/NA
Anthracene	9.0	J	39	6.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	37	J	39	5.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	39		39	7.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	73		39	8.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	22	J	39	13	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-2(0-4)-040616D (Continued)

Lab Sample ID: 500-109818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	30	J	39	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	54		39	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	77		39	7.4	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	16	J	39	10	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	12	J	39	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	52		39	5.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	71		39	7.9	ug/Kg	1	☼	8270D	Total/NA
Barium	0.19	J	0.50	0.050	mg/L	1		6010B	TCLP
Iron	0.20	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	0.57		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.031	J B	0.50	0.020	mg/L	1		6010B	TCLP
Antimony	0.50	J	1.1	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	9.1		0.55	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	39		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.67		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.032	J	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000	B	110	36	mg/Kg	10	☼	6010B	Total/NA
Chromium	16	B	0.55	0.095	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.28	0.063	mg/Kg	1	☼	6010B	Total/NA
Copper	29		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	21000		11	4.3	mg/Kg	1	☼	6010B	Total/NA
Lead	28		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.5	2.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	340		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	4.5	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.35	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Sodium	130		55	7.3	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.51	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.28	0.081	mg/Kg	1	☼	6010B	Total/NA
Zinc	80		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Mercury	45		18	9.3	ug/Kg	1	☼	7471B	Total/NA
pH	7.57		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-2(4-8)-040616

Lab Sample ID: 500-109818-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	22	J	39	7.2	ug/Kg	1	☼	8270D	Total/NA
Anthracene	9.4	J	39	6.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	22	J	39	5.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	30	J	39	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	35	J	39	8.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	17	J	39	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	38	J	39	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	45		39	7.2	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	11	J	39	6.0	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	68		39	5.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	46		39	7.8	ug/Kg	1	☼	8270D	Total/NA
Barium	0.094	J	0.50	0.050	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Client Sample ID: IHB-2(4-8)-040616 (Continued)

Lab Sample ID: 500-109818-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.0083		0.0075	0.0075	mg/L	1		6010B	TCLP
Manganese	3.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.040		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.026	J B	0.50	0.020	mg/L	1		6010B	TCLP
Antimony	0.44	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	37		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.23	0.051	mg/Kg	1	☼	6010B	Total/NA
Calcium	61000	B	120	38	mg/Kg	10	☼	6010B	Total/NA
Chromium	15	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	16		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	30		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	20000		12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.29	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	22000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	390		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	35		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		29	4.8	mg/Kg	1	☼	6010B	Total/NA
Sodium	130		58	7.7	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.43	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
Mercury	36		18	9.2	ug/Kg	1	☼	7471B	Total/NA
pH	7.56		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-2(8-13.5)-040616

Lab Sample ID: 500-109818-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		25	4.8	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	42		40	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	10	J	40	5.4	ug/Kg	1	☼	8270D	Total/NA
Chrysene	19	J	40	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	23	J	40	7.5	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	17	J	40	6.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	77		40	5.6	ug/Kg	1	☼	8270D	Total/NA
Pyrene	28	J	40	8.0	ug/Kg	1	☼	8270D	Total/NA
Barium	0.40	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.015	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	4.2		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.069	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
Chromium	0.022	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	16		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.013		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.25		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.022	J	0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-2(8-13.5)-040616 (Continued)

Lab Sample ID: 500-109818-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.046	J	0.50	0.020	mg/L	1		6010B	SPLP East
Antimony	0.44	J	1.2	0.25	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.8		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	38		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.61		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Calcium	78000	B	120	39	mg/Kg	10	☼	6010B	Total/NA
Chromium	15	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.30	0.068	mg/Kg	1	☼	6010B	Total/NA
Copper	23		0.60	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	28000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	31		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Sodium	150		60	7.9	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.32	J	0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.30	0.088	mg/Kg	1	☼	6010B	Total/NA
Zinc	67		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Mercury	31		20	11	ug/Kg	1	☼	7471B	Total/NA
pH	7.86		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-1(0-4)-040616

Lab Sample ID: 500-109818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	26	J	38	7.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	6.6	J	38	5.1	ug/Kg	1	☼	8270D	Total/NA
Anthracene	13	J	38	6.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	42		38	5.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	43		38	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	88		38	8.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	22	J	38	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	34	J	38	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	60		38	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	90		38	7.1	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	20	J	38	9.9	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	16	J	38	5.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	86		38	5.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	87		38	7.6	ug/Kg	1	☼	8270D	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.021	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.25	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	3.7		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.031		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.030	J B	0.50	0.020	mg/L	1		6010B	TCLP
Iron	2.2		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.023	J	0.025	0.010	mg/L	1		6010B	SPLP East
Arsenic	7.1		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	59		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.77		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-1(0-4)-040616 (Continued)

Lab Sample ID: 500-109818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	25000	B	12	3.7	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	23		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	18000	B	12	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	19		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	17000		5.8	2.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	320		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	37		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2600		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.55	J	0.58	0.28	mg/Kg	1	☼	6010B	Total/NA
Sodium	180	B	58	7.6	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.49	J	0.58	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21		0.29	0.084	mg/Kg	1	☼	6010B	Total/NA
Zinc	70		1.2	0.36	mg/Kg	1	☼	6010B	Total/NA
Mercury	64		20	11	ug/Kg	1	☼	7471B	Total/NA
pH	7.88		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-1(4-8)-040616

Lab Sample ID: 500-109818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	20	J	41	7.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	12	J	41	7.4	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	17	J	41	5.4	ug/Kg	1	☼	8270D	Total/NA
Anthracene	28	J	41	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	92		41	5.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	100		41	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	190		41	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	54		41	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	73		41	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	120		41	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	180		41	7.6	ug/Kg	1	☼	8270D	Total/NA
Fluorene	8.9	J	41	5.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	44		41	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	13	J	41	6.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	96		41	5.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	170		41	8.2	ug/Kg	1	☼	8270D	Total/NA
Barium	0.35	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	2.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.031		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.029	J B	0.50	0.020	mg/L	1		6010B	TCLP
Iron	4.3		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.025		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.024	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	11		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Barium	50		0.60	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.73		0.24	0.052	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.051	J	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	34000	B	12	3.8	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IHB-1(4-8)-040616 (Continued)

Lab Sample ID: 500-109818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	17	B	0.60	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	14		0.30	0.067	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.60	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000	B	12	4.6	mg/Kg	1	☼	6010B	Total/NA
Lead	33		0.30	0.15	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		6.0	2.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	400		0.60	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		30	4.9	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.98		0.60	0.29	mg/Kg	1	☼	6010B	Total/NA
Sodium	170	B	60	7.9	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.34	J	0.60	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.30	0.087	mg/Kg	1	☼	6010B	Total/NA
Zinc	82		1.2	0.38	mg/Kg	1	☼	6010B	Total/NA
Mercury	51		18	9.4	ug/Kg	1	☼	7471B	Total/NA
pH	7.77		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-1(8-13.5)-040616

Lab Sample ID: 500-109818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	150		25	4.8	ug/Kg	1	☼	8260B	Total/NA
2-Methylnaphthalene	14	J	40	7.5	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	18	J	40	7.3	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	8.9	J	40	5.4	ug/Kg	1	☼	8270D	Total/NA
Anthracene	60		40	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	120		40	5.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	110		40	7.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	190		40	8.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	42		40	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	92		40	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	150		40	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	360		40	7.5	ug/Kg	1	☼	8270D	Total/NA
Fluorene	24	J	40	5.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	46		40	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	11	J	40	6.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	300		40	5.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	290		40	8.1	ug/Kg	1	☼	8270D	Total/NA
Barium	0.28	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.016	J	0.025	0.010	mg/L	1		6010B	TCLP
Iron	0.25	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	2.3		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.031	J B	0.50	0.020	mg/L	1		6010B	TCLP
Barium	0.058	J	0.50	0.050	mg/L	1		6010B	SPLP East
Chromium	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Copper	0.015	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	15		0.40	0.20	mg/L	1		6010B	SPLP East
Lead	0.012		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.076		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-1(8-13.5)-040616 (Continued) — Lab Sample ID: 500-109818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.051	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	11		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Barium	45		0.58	0.11	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.050	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.044	J	0.12	0.034	mg/Kg	1	☼	6010B	Total/NA
Calcium	33000	B	12	3.7	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.58	0.10	mg/Kg	1	☼	6010B	Total/NA
Cobalt	19		0.29	0.066	mg/Kg	1	☼	6010B	Total/NA
Copper	27		0.58	0.13	mg/Kg	1	☼	6010B	Total/NA
Iron	22000	B	12	4.5	mg/Kg	1	☼	6010B	Total/NA
Lead	23		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.8	2.4	mg/Kg	1	☼	6010B	Total/NA
Manganese	470		0.58	0.12	mg/Kg	1	☼	6010B	Total/NA
Nickel	42		0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2500		29	4.7	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.63		0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Sodium	160	B	58	7.7	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.44	J	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.29	0.085	mg/Kg	1	☼	6010B	Total/NA
Zinc	85		1.2	0.37	mg/Kg	1	☼	6010B	Total/NA
Mercury	57		18	9.5	ug/Kg	1	☼	7471B	Total/NA
pH	7.21		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-3(0-4)-040616 — Lab Sample ID: 500-109818-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	31	J	37	6.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	16	J	37	4.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	20	J	37	6.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	62		37	5.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	69		37	7.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	140		37	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	25	J	37	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	53		37	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	89		37	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	100		37	6.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	26	J	37	9.6	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	19	J	37	5.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	100		37	5.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	120		37	7.3	ug/Kg	1	☼	8270D	Total/NA
Barium	0.50		0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.90		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.039	J B	0.50	0.020	mg/L	1		6010B	TCLP
Arsenic	0.028	J	0.050	0.010	mg/L	1		6010B	SPLP East
Barium	0.19	J	0.50	0.050	mg/L	1		6010B	SPLP East
Chromium	0.073		0.025	0.010	mg/L	1		6010B	SPLP East
Cobalt	0.021	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	68		0.40	0.20	mg/L	1		6010B	SPLP East

This Detection Summary does not include radiochemical test results.

Client Sample ID: IHB-3(0-4)-040616 (Continued)

Lab Sample ID: 500-109818-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.050		0.0075	0.0075	mg/L	1		6010B	SPLP East
Manganese	0.29		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.072		0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.24	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	8.2		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Barium	50		0.55	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.74		0.22	0.048	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.11	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	48000		110	35	mg/Kg	10	☼	6010B	Total/NA
Chromium	16	B	0.55	0.094	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.27	0.062	mg/Kg	1	☼	6010B	Total/NA
Copper	25		0.55	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	11	4.2	mg/Kg	1	☼	6010B	Total/NA
Lead	24		0.27	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	20000		5.5	2.2	mg/Kg	1	☼	6010B	Total/NA
Manganese	340		0.55	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	33		0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		27	4.5	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.60		0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Sodium	150	B	55	7.2	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.34	J	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.27	0.080	mg/Kg	1	☼	6010B	Total/NA
Zinc	82		1.1	0.35	mg/Kg	1	☼	6010B	Total/NA
Mercury	49		17	9.0	ug/Kg	1	☼	7471B	Total/NA
pH	7.92		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-3(4-8)-040616

Lab Sample ID: 500-109818-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	11	J	38	7.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	6.3	J	38	5.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	19	J	38	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	15	J	38	7.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	26	J	38	5.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	20	J	38	7.7	ug/Kg	1	☼	8270D	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010B	TCLP
Iron	0.34	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	0.52		0.025	0.010	mg/L	1		6010B	TCLP
Barium	0.055	J	0.50	0.050	mg/L	1		6010B	SPLP East
Chromium	0.019	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	17		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.060		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.017	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.058	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	9.0		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	41		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.72		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.035	J	0.11	0.033	mg/Kg	1	☼	6010B	Total/NA
Calcium	22000	B	11	3.7	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IHB-3(4-8)-040616 (Continued)

Lab Sample ID: 500-109818-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	16	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	28		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	20		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	350		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	34		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2200		28	4.6	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.88		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Sodium	110	B	57	7.5	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.36	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	68		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Mercury	27		20	11	ug/Kg	1	☼	7471B	Total/NA
pH	7.30		0.200	0.200	SU	1		9045D	Total/NA

Client Sample ID: IHB-3(8-13.5)-040616

Lab Sample ID: 500-109818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	16	J	39	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	12	J	39	5.3	ug/Kg	1	☼	8270D	Total/NA
Chrysene	23	J	39	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	23	J	39	7.3	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	13	J	39	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	92		39	5.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	32	J	39	7.8	ug/Kg	1	☼	8270D	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010B	TCLP
Cobalt	0.010	J	0.025	0.010	mg/L	1		6010B	TCLP
Manganese	1.9		0.025	0.010	mg/L	1		6010B	TCLP
Nickel	0.018	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.027	J B	0.50	0.020	mg/L	1		6010B	TCLP
Chromium	0.013	J	0.025	0.010	mg/L	1		6010B	SPLP East
Iron	10		0.40	0.20	mg/L	1		6010B	SPLP East
Manganese	0.070		0.025	0.010	mg/L	1		6010B	SPLP East
Nickel	0.012	J	0.025	0.010	mg/L	1		6010B	SPLP East
Zinc	0.038	J	0.50	0.020	mg/L	1		6010B	SPLP East
Arsenic	11		0.57	0.26	mg/Kg	1	☼	6010B	Total/NA
Barium	43		0.57	0.10	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.75		0.23	0.049	mg/Kg	1	☼	6010B	Total/NA
Calcium	21000	B	11	3.7	mg/Kg	1	☼	6010B	Total/NA
Chromium	17	B	0.57	0.098	mg/Kg	1	☼	6010B	Total/NA
Cobalt	18		0.28	0.064	mg/Kg	1	☼	6010B	Total/NA
Copper	33		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Iron	24000	B	11	4.4	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.28	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	14000		5.7	2.3	mg/Kg	1	☼	6010B	Total/NA
Manganese	370		0.57	0.11	mg/Kg	1	☼	6010B	Total/NA
Nickel	39		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Potassium	2300		28	4.6	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-3(8-13.5)-040616 (Continued)

Lab Sample ID: 500-109818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.86		0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Sodium	110	B	57	7.5	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.37	J	0.57	0.28	mg/Kg	1	☼	6010B	Total/NA
Vanadium	20		0.28	0.083	mg/Kg	1	☼	6010B	Total/NA
Zinc	79		1.1	0.36	mg/Kg	1	☼	6010B	Total/NA
Mercury	76		20	11	ug/Kg	1	☼	7471B	Total/NA
pH	8.19		0.200	0.200	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-109818-1	IHB-2(0-4)-040616	Solid	04/06/16 09:00	04/06/16 11:47
500-109818-2	IHB-2(0-4)-040616D	Solid	04/06/16 09:00	04/06/16 11:47
500-109818-3	IHB-2(4-8)-040616	Solid	04/06/16 09:05	04/06/16 11:47
500-109818-4	IHB-2(8-13.5)-040616	Solid	04/06/16 09:10	04/06/16 11:47
500-109818-5	IHB-1(0-4)-040616	Solid	04/06/16 09:20	04/06/16 11:47
500-109818-6	IHB-1(4-8)-040616	Solid	04/06/16 09:25	04/06/16 11:47
500-109818-7	IHB-1(8-13.5)-040616	Solid	04/06/16 09:30	04/06/16 11:47
500-109818-8	IHB-3(0-4)-040616	Solid	04/06/16 09:35	04/06/16 11:47
500-109818-9	IHB-3(4-8)-040616	Solid	04/06/16 09:40	04/06/16 11:47
500-109818-10	IHB-3(8-13.5)-040616	Solid	04/06/16 09:45	04/06/16 11:47

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		04/08/16 12:31	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 12:31	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/16 12:31	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:31	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:31	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 12:31	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		04/08/16 12:31	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		04/08/16 12:31	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/16 12:31	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:31	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 12:31	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 12:31	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 12:31	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		04/08/16 12:31	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		04/08/16 12:31	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 12:31	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/08/16 12:31	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 12:31	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 12:31	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 12:31	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:31	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 12:31	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:31	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		04/08/16 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 120*		*04/08/16 12:31*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/08/16 12:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*		*04/08/16 12:31*	*1*
Toluene-d8 (Surr)	*121*		*75 - 123*		*04/08/16 12:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Methylnaphthalene	**14**	**J**	39	7.2	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
3,3'-Dichlorobenzidine	<200	F2 F1	200	55	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Nitroaniline	<390	F1	390	160	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
4-Nitrophenol	<790	F2	790	370	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Acenaphthylene	**7.9**	**J**	39	5.2	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Anthracene	**10**	**J**	39	6.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Benzo[a]anthracene	**46**		39	5.3	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Benzo[a]pyrene	**53**		39	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Benzo[b]fluoranthene	**80**		39	8.5	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Benzo[g,h,i]perylene	**27**	**J F1**	39	13	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Benzo[k]fluoranthene	**30**	**J**	39	12	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Carbazole	<200		200	98	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Chrysene	**65**		39	11	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Dibenz(a,h)anthracene	<39	F1	39	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Fluoranthene	**77**		39	7.3	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Hexachlorocyclopentadiene	<790	F1	790	230	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Hexachloroethane	<200	F1	200	60	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**21**	**J**	39	10	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Naphthalene	**10**	**J**	39	6.1	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Phenanthrene	**57**		39	5.5	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Phenol	<200		200	87	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1
Pyrene	**85**		39	7.8	ug/Kg	☼	04/07/16 16:56	04/13/16 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*25 - 130*	*04/07/16 16:56*	*04/13/16 21:19*	*1*
2-Fluorobiphenyl	*57*		*42 - 115*	*04/07/16 16:56*	*04/13/16 21:19*	*1*
2-Fluorophenol	*42*		*40 - 130*	*04/07/16 16:56*	*04/13/16 21:19*	*1*
Nitrobenzene-d5	*47*		*33 - 124*	*04/07/16 16:56*	*04/13/16 21:19*	*1*
Phenol-d5	*51*		*36 - 123*	*04/07/16 16:56*	*04/13/16 21:19*	*1*
Terphenyl-d14	*62*		*25 - 150*	*04/07/16 16:56*	*04/13/16 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		04/08/16 14:19	04/09/16 17:39	1
Barium	**0.20**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 17:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 17:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 17:39	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		04/08/16 14:19	04/09/16 17:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 17:39	1
Manganese	**0.20**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 17:39	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:39	1
Zinc	**0.026**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 22:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Iron	**0.24**	**J**	0.40	0.20	mg/L		04/08/16 14:22	04/09/16 22:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 22:30	1
Manganese	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 22:30	1

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid
Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:30	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:22	04/09/16 22:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J F1	1.1	0.23	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Arsenic	9.6		0.56	0.26	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Barium	44		0.56	0.10	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Beryllium	0.65		0.22	0.048	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Cadmium	0.076	J	0.11	0.032	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Calcium	53000	B	110	36	mg/Kg	☼	04/07/16 16:06	04/09/16 19:19	10
Chromium	17	B	0.56	0.096	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Cobalt	18		0.28	0.063	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Copper	28		0.56	0.12	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Iron	21000		11	4.3	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Lead	26		0.28	0.14	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Magnesium	21000		5.6	2.3	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Manganese	560		0.56	0.11	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Nickel	42	F1	0.56	0.15	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Potassium	2300		28	4.5	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Selenium	0.50	J F1	0.56	0.28	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Sodium	120		56	7.3	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Thallium	<0.56		0.56	0.27	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Vanadium	20		0.28	0.081	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1
Zinc	79		1.1	0.35	mg/Kg	☼	04/07/16 16:06	04/08/16 15:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29		18	9.2	ug/Kg	☼	04/07/16 16:15	04/08/16 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77		0.200	0.200	SU			04/12/16 16:24	1

Client Sample ID: IHB-2(0-4)-040616D

Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2

Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.6	ug/Kg	☼		04/08/16 12:56	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 12:56	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/16 12:56	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:56	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:56	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 12:56	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		04/08/16 12:56	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		04/08/16 12:56	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/16 12:56	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 12:56	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 12:56	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 12:56	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 12:56	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		04/08/16 12:56	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		04/08/16 12:56	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 12:56	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/08/16 12:56	1
Tetrachloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 12:56	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 12:56	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 12:56	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 12:56	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 12:56	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 12:56	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		04/08/16 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 120*		*04/08/16 12:56*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/08/16 12:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*		*04/08/16 12:56*	*1*
Toluene-d8 (Surr)	*114*		*75 - 123*		*04/08/16 12:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Methylnaphthalene	**11**	**J**	39	7.3	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Anthracene	**9.0**	**J**	39	6.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Benzo[a]anthracene	**37**	**J**	39	5.3	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Benzo[a]pyrene	**39**		39	7.7	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Benzo[b]fluoranthene	**73**		39	8.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Benzo[g,h,i]perylene	**22**	**J**	39	13	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Benzo[k]fluoranthene	**30**	**J**	39	12	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Carbazole	<200		200	99	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Chrysene	**54**		39	11	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Fluoranthene	**77**		39	7.4	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**16**	**J**	39	10	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Isophorone	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Naphthalene	**12**	**J**	39	6.1	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Phenanthrene	**52**		39	5.5	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Phenol	<200		200	88	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1
Pyrene	**71**		39	7.9	ug/Kg	☼	04/07/16 16:56	04/13/16 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*25 - 130*	*04/07/16 16:56*	*04/13/16 21:48*	*1*
2-Fluorobiphenyl	*82*		*42 - 115*	*04/07/16 16:56*	*04/13/16 21:48*	*1*
2-Fluorophenol	*69*		*40 - 130*	*04/07/16 16:56*	*04/13/16 21:48*	*1*
Nitrobenzene-d5	*68*		*33 - 124*	*04/07/16 16:56*	*04/13/16 21:48*	*1*
Phenol-d5	*76*		*36 - 123*	*04/07/16 16:56*	*04/13/16 21:48*	*1*
Terphenyl-d14	*84*		*25 - 150*	*04/07/16 16:56*	*04/13/16 21:48*	*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		04/08/16 14:19	04/09/16 17:44	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 17:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 17:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 17:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Iron	**0.20**	**J**	0.40	0.20	mg/L		04/08/16 14:19	04/09/16 17:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 17:44	1
Manganese	**0.57**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 17:44	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:44	1
Zinc	**0.031**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 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		04/08/16 14:22	04/09/16 22:37	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 22:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 22:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 22:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 22:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 22:37	1
Manganese	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 22:37	1

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:37	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:22	04/09/16 22:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.1	0.23	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Arsenic	**9.1**		0.55	0.26	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Barium	**39**		0.55	0.10	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Beryllium	**0.67**		0.22	0.048	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Cadmium	**0.032**	**J**	0.11	0.032	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Calcium	**62000**	**B**	110	36	mg/Kg	☼	04/07/16 16:06	04/09/16 19:48	10
Chromium	**16**	**B**	0.55	0.095	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Cobalt	**14**		0.28	0.063	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Copper	**29**		0.55	0.12	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Iron	**21000**		11	4.3	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Lead	**28**		0.28	0.14	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Magnesium	**20000**		5.5	2.3	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Manganese	**340**		0.55	0.11	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Nickel	**34**		0.55	0.15	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Potassium	**2100**		28	4.5	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Selenium	**0.35**	**J**	0.55	0.27	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Silver	<0.28		0.28	0.065	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Sodium	**130**		55	7.3	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Thallium	**0.51**	**J**	0.55	0.27	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Vanadium	**19**		0.28	0.081	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1
Zinc	**80**		1.1	0.35	mg/Kg	☼	04/07/16 16:06	04/08/16 16:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**		18	9.3	ug/Kg	☼	04/07/16 16:15	04/08/16 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.57**		0.200	0.200	SU			04/12/16 16:27	1

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		04/08/16 13:22	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 13:22	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/16 13:22	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 13:22	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 13:22	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 13:22	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		04/08/16 13:22	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		04/08/16 13:22	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/16 13:22	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 13:22	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 13:22	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 13:22	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 13:22	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		04/08/16 13:22	1
Methylene Chloride	<6.0		6.0	4.5	ug/Kg	☼		04/08/16 13:22	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 13:22	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		04/08/16 13:22	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 13:22	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 13:22	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 13:22	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 13:22	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 13:22	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 13:22	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 13:22	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		04/08/16 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 120*		*04/08/16 13:22*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/08/16 13:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*69 - 134*		*04/08/16 13:22*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*		*04/08/16 13:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Methylnaphthalene	**22**	**J**	39	7.2	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4,6-Dinitro-2-methylphenol	<790		790	310	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Anthracene	**9.4**	**J**	39	6.5	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Benzo[a]anthracene	**22**	**J**	39	5.3	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Benzo[a]pyrene	**30**	**J**	39	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Benzo[b]fluoranthene	**35**	**J**	39	8.4	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Benzo[k]fluoranthene	**17**	**J**	39	12	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Carbazole	<200		200	98	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Chrysene	**38**	**J**	39	11	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Fluoranthene	**45**		39	7.2	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Naphthalene	**11**	**J**	39	6.0	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Phenanthrene	**68**		39	5.4	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Phenol	<200		200	87	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1
Pyrene	**46**		39	7.8	ug/Kg	☼	04/07/16 16:56	04/13/16 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*43*		*25 - 130*	*04/07/16 16:56*	*04/13/16 22:16*	*1*
2-Fluorobiphenyl	*86*		*42 - 115*	*04/07/16 16:56*	*04/13/16 22:16*	*1*
2-Fluorophenol	*72*		*40 - 130*	*04/07/16 16:56*	*04/13/16 22:16*	*1*
Nitrobenzene-d5	*67*		*33 - 124*	*04/07/16 16:56*	*04/13/16 22:16*	*1*
Phenol-d5	*83*		*36 - 123*	*04/07/16 16:56*	*04/13/16 22:16*	*1*
Terphenyl-d14	*88*		*25 - 150*	*04/07/16 16:56*	*04/13/16 22:16*	*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		04/08/16 14:19	04/09/16 17:50	1
Barium	**0.094**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 17:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 17:50	1
Cadmium	**0.0022**	**J**	0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 17:50	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 17:50	1
Lead	**0.0083**		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 17:50	1
Manganese	**3.3**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Nickel	**0.040**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 17:50	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:50	1
Zinc	**0.026**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 17:50	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		04/08/16 14:22	04/09/16 22:44	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 22:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 22:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 22:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 22:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 22:44	1
Manganese	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 22:44	1

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:22	04/09/16 22:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.2	0.24	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Arsenic	**9.0**		0.58	0.27	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Barium	**37**		0.58	0.11	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Beryllium	**0.61**		0.23	0.051	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Cadmium	<0.12		0.12	0.034	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Calcium	**61000**	**B**	120	38	mg/Kg	☼	04/07/16 16:06	04/09/16 19:52	10
Chromium	**15**	**B**	0.58	0.10	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Cobalt	**16**		0.29	0.066	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Copper	**30**		0.58	0.13	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Iron	**20000**		12	4.5	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Lead	**21**		0.29	0.15	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Magnesium	**22000**		5.8	2.4	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Manganese	**390**		0.58	0.12	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Nickel	**35**		0.58	0.16	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Potassium	**2100**		29	4.8	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Selenium	<0.58		0.58	0.29	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Sodium	**130**		58	7.7	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Thallium	**0.43**	**J**	0.58	0.29	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Vanadium	**18**		0.29	0.085	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1
Zinc	**60**		1.2	0.37	mg/Kg	☼	04/07/16 16:06	04/08/16 16:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		18	9.2	ug/Kg	☼	04/07/16 16:15	04/08/16 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.56**		0.200	0.200	SU			04/12/16 16:30	1

Client Sample ID: IHB-2(8-13.5)-040616
Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4
Matrix: Solid
Percent Solids: 81.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25		25	4.8	ug/Kg	☼		04/08/16 13:47	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/08/16 13:47	1
Bromoform	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼		04/08/16 13:47	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		04/08/16 13:47	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
Chlorobenzene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		04/08/16 13:47	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		04/08/16 13:47	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 13:47	1
cis-1,2-Dichloroethene	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
Dibromochloromethane	<6.1		6.1	0.71	ug/Kg	☼		04/08/16 13:47	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/08/16 13:47	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 13:47	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		04/08/16 13:47	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 13:47	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 13:47	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		04/08/16 13:47	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		04/08/16 13:47	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 13:47	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.98	ug/Kg	☼		04/08/16 13:47	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 13:47	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		04/08/16 13:47	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 13:47	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 13:47	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 13:47	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/08/16 13:47	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 13:47	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 13:47	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		04/08/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 120*		*04/08/16 13:47*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/08/16 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*69 - 134*		*04/08/16 13:47*	*1*
Toluene-d8 (Surr)	*119*		*75 - 123*		*04/08/16 13:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1

Client Sample ID: IHB-2(8-13.5)-040616
Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Methylnaphthalene	**42**		40	7.4	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Anthracene	<40		40	6.8	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Benzo[a]anthracene	**10**	**J**	40	5.4	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Chrysene	**19**	**J**	40	11	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Fluoranthene	**23**	**J**	40	7.5	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Fluorene	<40		40	5.7	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1

Client Sample ID: IHB-2(8-13.5)-040616
Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Isophorone	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Naphthalene	**17**	**J**	40	6.2	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Phenanthrene	**77**		40	5.6	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Phenol	<200		200	90	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1
Pyrene	**28**	**J**	40	8.0	ug/Kg	☼	04/07/16 16:56	04/13/16 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*25 - 130*	*04/07/16 16:56*	*04/13/16 22:45*	*1*
2-Fluorobiphenyl	*92*		*42 - 115*	*04/07/16 16:56*	*04/13/16 22:45*	*1*
2-Fluorophenol	*76*		*40 - 130*	*04/07/16 16:56*	*04/13/16 22:45*	*1*
Nitrobenzene-d5	*75*		*33 - 124*	*04/07/16 16:56*	*04/13/16 22:45*	*1*
Phenol-d5	*86*		*36 - 123*	*04/07/16 16:56*	*04/13/16 22:45*	*1*
Terphenyl-d14	*96*		*25 - 150*	*04/07/16 16:56*	*04/13/16 22:45*	*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		04/08/16 14:19	04/09/16 17:55	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 17:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 17:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 17:55	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 17:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 17:55	1
Manganese	**4.2**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 17:55	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 17:55	1
Zinc	**0.069**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Barium	**0.088**	**J**	0.50	0.050	mg/L		04/08/16 14:22	04/09/16 22:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 22:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 22:51	1
Chromium	**0.022**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Copper	**0.016**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Iron	**16**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 22:51	1
Lead	**0.013**		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 22:51	1
Manganese	**0.25**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Nickel	**0.022**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 22:51	1

Client Sample ID: IHB-2(8-13.5)-040616
Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:51	1
Zinc	**0.046**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 22:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.44**	**J**	1.2	0.25	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Arsenic	**7.8**		0.60	0.28	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Barium	**38**		0.60	0.11	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Beryllium	**0.61**		0.24	0.052	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Cadmium	<0.12		0.12	0.035	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Calcium	**78000**	**B**	120	39	mg/Kg	☼	04/07/16 16:06	04/09/16 19:56	10
Chromium	**15**	**B**	0.60	0.10	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Cobalt	**13**		0.30	0.068	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Copper	**23**		0.60	0.13	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Iron	**19000**		12	4.6	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Lead	**18**		0.30	0.15	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Magnesium	**28000**		6.0	2.4	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Manganese	**400**		0.60	0.12	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Nickel	**31**		0.60	0.16	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Potassium	**2300**		30	4.9	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Selenium	<0.60		0.60	0.30	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Sodium	**150**		60	7.9	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Thallium	**0.32**	**J**	0.60	0.30	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Vanadium	**18**		0.30	0.088	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1
Zinc	**67**		1.2	0.38	mg/Kg	☼	04/07/16 16:06	04/08/16 16:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		20	11	ug/Kg	☼	04/07/16 16:15	04/08/16 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.86**		0.200	0.200	SU			04/12/16 16:34	1

Client Sample ID: IHB-1(0-4)-040616
Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		04/08/16 14:13	1
Benzene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 14:13	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/08/16 14:13	1
Bromoform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
Bromomethane	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 14:13	1
Carbon disulfide	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 14:13	1
Carbon tetrachloride	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 14:13	1
Chlorobenzene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
Chloroethane	<6.0		6.0	2.5	ug/Kg	☼		04/08/16 14:13	1
Chloroform	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
Chloromethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
cis-1,2-Dichloroethene	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
cis-1,3-Dichloropropene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
Dibromochloromethane	<6.0		6.0	0.69	ug/Kg	☼		04/08/16 14:13	1
1,1-Dichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/08/16 14:13	1
1,1-Dichloroethene	<6.0		6.0	2.2	ug/Kg	☼		04/08/16 14:13	1
1,2-Dichloropropane	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 14:13	1
1,3-Dichloropropene, Total	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 14:13	1
Ethylbenzene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 14:13	1
2-Hexanone	<6.0		6.0	1.9	ug/Kg	☼		04/08/16 14:13	1
Methylene Chloride	<6.0		6.0	4.6	ug/Kg	☼		04/08/16 14:13	1
Methyl Ethyl Ketone	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 14:13	1
methyl isobutyl ketone	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
Methyl tert-butyl ether	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
Styrene	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	0.96	ug/Kg	☼		04/08/16 14:13	1
Tetrachloroethene	<6.0		6.0	1.3	ug/Kg	☼		04/08/16 14:13	1
Toluene	<6.0		6.0	2.1	ug/Kg	☼		04/08/16 14:13	1
trans-1,2-Dichloroethene	<6.0		6.0	1.5	ug/Kg	☼		04/08/16 14:13	1
trans-1,3-Dichloropropene	<6.0		6.0	1.7	ug/Kg	☼		04/08/16 14:13	1
1,1,1-Trichloroethane	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
1,1,2-Trichloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/08/16 14:13	1
Trichloroethene	<6.0		6.0	1.6	ug/Kg	☼		04/08/16 14:13	1
Vinyl chloride	<6.0		6.0	1.4	ug/Kg	☼		04/08/16 14:13	1
Xylenes, Total	<12		12	2.2	ug/Kg	☼		04/08/16 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 120*		*04/08/16 14:13*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/08/16 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*69 - 134*		*04/08/16 14:13*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*		*04/08/16 14:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1

Client Sample ID: IHB-1(0-4)-040616
Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Methylnaphthalene	**26**	**J**	38	7.1	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4,6-Dinitro-2-methylphenol	<770		770	310	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Acenaphthylene	**6.6**	**J**	38	5.1	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Anthracene	**13**	**J**	38	6.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Benzo[a]anthracene	**42**		38	5.2	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Benzo[a]pyrene	**43**		38	7.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Benzo[b]fluoranthene	**88**		38	8.3	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Benzo[g,h,i]perylene	**22**	**J**	38	12	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Benzo[k]fluoranthene	**34**	**J**	38	11	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Carbazole	<190		190	96	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Chrysene	**60**		38	10	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Fluoranthene	**90**		38	7.1	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1

Client Sample ID: IHB-1(0-4)-040616
Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**20**	**J**	38	9.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Naphthalene	**16**	**J**	38	5.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
N-Nitrosodi-n-propylamine	<77		77	47	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Phenanthrene	**86**		38	5.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Phenol	<190		190	85	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1
Pyrene	**87**		38	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*25 - 130*	*04/07/16 16:56*	*04/13/16 23:13*	*1*
2-Fluorobiphenyl	*92*		*42 - 115*	*04/07/16 16:56*	*04/13/16 23:13*	*1*
2-Fluorophenol	*81*		*40 - 130*	*04/07/16 16:56*	*04/13/16 23:13*	*1*
Nitrobenzene-d5	*77*		*33 - 124*	*04/07/16 16:56*	*04/13/16 23:13*	*1*
Phenol-d5	*85*		*36 - 123*	*04/07/16 16:56*	*04/13/16 23:13*	*1*
Terphenyl-d14	*106*		*25 - 150*	*04/07/16 16:56*	*04/13/16 23:13*	*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		04/08/16 14:19	04/09/16 18:01	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Iron	**0.25**	**J**	0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:01	1
Manganese	**3.7**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Nickel	**0.031**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:01	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:01	1
Zinc	**0.030**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 22:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 22:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 22:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Iron	**2.2**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 22:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 22:57	1
Manganese	**0.023**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 22:57	1

Client Sample ID: IHB-1(0-4)-040616
Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5
Matrix: Solid
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 22:57	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:22	04/09/16 22:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Arsenic	**7.1**		0.58	0.27	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Barium	**59**		0.58	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Beryllium	**0.77**		0.23	0.050	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Cadmium	<0.12		0.12	0.033	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Calcium	**25000**	**B**	12	3.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Chromium	**18**	**B**	0.58	0.099	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Cobalt	**13**		0.29	0.065	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Copper	**23**		0.58	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Iron	**18000**	**B**	12	4.4	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Lead	**19**		0.29	0.14	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Magnesium	**17000**		5.8	2.3	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Manganese	**320**		0.58	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Nickel	**37**		0.58	0.16	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Potassium	**2600**		29	4.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Selenium	**0.55**	**J**	0.58	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Silver	<0.29		0.29	0.067	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Sodium	**180**	**B**	58	7.6	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Thallium	**0.49**	**J**	0.58	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Vanadium	**21**		0.29	0.084	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1
Zinc	**70**		1.2	0.36	mg/Kg	☼	04/07/16 16:06	04/09/16 20:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**64**		20	11	ug/Kg	☼	04/07/16 16:15	04/08/16 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.88**		0.200	0.200	SU			04/12/16 16:37	1

Client Sample ID: IHB-1(4-8)-040616
Date Collected: 04/06/16 09:25
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-6
Matrix: Solid
Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		04/08/16 14:38	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 14:38	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		04/08/16 14:38	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		04/08/16 14:38	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		04/08/16 14:38	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		04/08/16 14:38	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		04/08/16 14:38	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 14:38	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		04/08/16 14:38	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/08/16 14:38	1
1,1-Dichloroethene	<6.2		6.2	2.3	ug/Kg	☼		04/08/16 14:38	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		04/08/16 14:38	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 14:38	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		04/08/16 14:38	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		04/08/16 14:38	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/08/16 14:38	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 14:38	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/08/16 14:38	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 14:38	1
Toluene	<6.2		6.2	2.2	ug/Kg	☼		04/08/16 14:38	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 14:38	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 14:38	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/08/16 14:38	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 14:38	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 14:38	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		04/08/16 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 120*		*04/08/16 14:38*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/08/16 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 134*		*04/08/16 14:38*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*		*04/08/16 14:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	44	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
1,2-Dichlorobenzene	<210		210	49	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
1,3-Dichlorobenzene	<210		210	46	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
1,4-Dichlorobenzene	<210		210	53	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,2'-oxybis[1-chloropropane]	<210		210	48	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1

Client Sample ID: IHB-1(4-8)-040616
Date Collected: 04/06/16 09:25
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-6
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	94	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,4,6-Trichlorophenol	<410		410	140	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,4-Dichlorophenol	<410		410	98	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,4-Dimethylphenol	<410		410	160	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,4-Dinitrophenol	<830		830	720	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,4-Dinitrotoluene	<210		210	65	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2,6-Dinitrotoluene	<210		210	81	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Chloronaphthalene	<210		210	45	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Chlorophenol	<210		210	70	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Methylnaphthalene	**20**	**J**	41	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Methylphenol	<210		210	66	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Nitroaniline	<210		210	55	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
2-Nitrophenol	<410		410	97	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
3 & 4 Methylphenol	<210		210	69	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
3,3'-Dichlorobenzidine	<210		210	58	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
3-Nitroaniline	<410		410	130	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4,6-Dinitro-2-methylphenol	<830		830	330	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Bromophenyl phenyl ether	<210		210	54	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Chloro-3-methylphenol	<410		410	140	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Chloroaniline	<830		830	190	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Chlorophenyl phenyl ether	<210		210	48	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Nitroaniline	<410		410	170	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
4-Nitrophenol	<830		830	390	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Acenaphthene	**12**	**J**	41	7.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Acenaphthylene	**17**	**J**	41	5.4	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Anthracene	**28**	**J**	41	6.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Benzo[a]anthracene	**92**		41	5.5	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Benzo[a]pyrene	**100**		41	8.0	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Benzo[b]fluoranthene	**190**		41	8.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Benzo[g,h,i]perylene	**54**		41	13	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Benzo[k]fluoranthene	**73**		41	12	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Bis(2-chloroethoxy)methane	<210		210	42	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Bis(2-chloroethyl)ether	<210		210	62	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Bis(2-ethylhexyl) phthalate	<210		210	75	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Butyl benzyl phthalate	<210		210	78	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Carbazole	<210		210	100	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Chrysene	**120**		41	11	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Dibenz(a,h)anthracene	<41		41	7.9	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Dibenzofuran	<210		210	48	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Diethyl phthalate	<210		210	70	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Dimethyl phthalate	<210		210	54	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Di-n-butyl phthalate	<210		210	63	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Di-n-octyl phthalate	<210		210	67	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Fluoranthene	**180**		41	7.6	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Fluorene	**8.9**	**J**	41	5.8	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Hexachlorobenzene	<83		83	9.5	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Hexachlorobutadiene	<210		210	65	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Hexachlorocyclopentadiene	<830		830	240	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Hexachloroethane	<210		210	63	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1

Client Sample ID: IHB-1(4-8)-040616
Date Collected: 04/06/16 09:25
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-6
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**44**		41	11	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Isophorone	<210		210	46	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Naphthalene	**13**	**J**	41	6.3	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Nitrobenzene	<41		41	10	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
N-Nitrosodi-n-propylamine	<83		83	50	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
N-Nitrosodiphenylamine	<210		210	49	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Pentachlorophenol	<830		830	660	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Phenanthrene	**96**		41	5.7	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Phenol	<210		210	91	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1
Pyrene	**170**		41	8.2	ug/Kg	☼	04/07/16 16:56	04/13/16 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*25 - 130*	*04/07/16 16:56*	*04/13/16 23:42*	*1*
2-Fluorobiphenyl	*83*		*42 - 115*	*04/07/16 16:56*	*04/13/16 23:42*	*1*
2-Fluorophenol	*67*		*40 - 130*	*04/07/16 16:56*	*04/13/16 23:42*	*1*
Nitrobenzene-d5	*67*		*33 - 124*	*04/07/16 16:56*	*04/13/16 23:42*	*1*
Phenol-d5	*74*		*36 - 123*	*04/07/16 16:56*	*04/13/16 23:42*	*1*
Terphenyl-d14	*93*		*25 - 150*	*04/07/16 16:56*	*04/13/16 23:42*	*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		04/08/16 14:19	04/09/16 18:06	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Cobalt	**0.022**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:06	1
Manganese	**2.9**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Nickel	**0.031**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:06	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:06	1
Zinc	**0.029**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:06	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		04/08/16 14:22	04/09/16 23:20	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 23:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 23:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 23:20	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Iron	**4.3**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 23:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 23:20	1
Manganese	**0.025**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 23:20	1

Client Sample ID: IHB-1(4-8)-040616
Date Collected: 04/06/16 09:25
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-6
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:20	1
Zinc	**0.024**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 23:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.25	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Arsenic	**11**		0.60	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Barium	**50**		0.60	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Beryllium	**0.73**		0.24	0.052	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Cadmium	**0.051**	**J**	0.12	0.034	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Calcium	**34000**	**B**	12	3.8	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Chromium	**17**	**B**	0.60	0.10	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Cobalt	**14**		0.30	0.067	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Copper	**28**		0.60	0.13	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Iron	**22000**	**B**	12	4.6	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Lead	**33**		0.30	0.15	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Magnesium	**20000**		6.0	2.4	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Manganese	**400**		0.60	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Nickel	**34**		0.60	0.16	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Potassium	**2300**		30	4.9	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Selenium	**0.98**		0.60	0.29	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Silver	<0.30		0.30	0.070	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Sodium	**170**	**B**	60	7.9	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Thallium	**0.34**	**J**	0.60	0.29	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Vanadium	**20**		0.30	0.087	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1
Zinc	**82**		1.2	0.38	mg/Kg	☼	04/07/16 16:06	04/09/16 20:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51**		18	9.4	ug/Kg	☼	04/07/16 16:15	04/08/16 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.77**		0.200	0.200	SU			04/12/16 16:40	1

Client Sample ID: IHB-1(8-13.5)-040616
Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	150		25	4.8	ug/Kg	☼		04/08/16 15:04	1
Benzene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 15:04	1
Bromodichloromethane	<6.2		6.2	1.0	ug/Kg	☼		04/08/16 15:04	1
Bromoform	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
Bromomethane	<6.2		6.2	2.3	ug/Kg	☼		04/08/16 15:04	1
Carbon disulfide	<6.2		6.2	2.3	ug/Kg	☼		04/08/16 15:04	1
Carbon tetrachloride	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
Chlorobenzene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
Chloroethane	<6.2		6.2	2.6	ug/Kg	☼		04/08/16 15:04	1
Chloroform	<6.2		6.2	1.2	ug/Kg	☼		04/08/16 15:04	1
Chloromethane	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
cis-1,2-Dichloroethene	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
cis-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 15:04	1
Dibromochloromethane	<6.2		6.2	0.71	ug/Kg	☼		04/08/16 15:04	1
1,1-Dichloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		04/08/16 15:04	1
1,1-Dichloroethene	<6.2		6.2	2.2	ug/Kg	☼		04/08/16 15:04	1
1,2-Dichloropropane	<6.2		6.2	1.6	ug/Kg	☼		04/08/16 15:04	1
1,3-Dichloropropene, Total	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 15:04	1
Ethylbenzene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
2-Hexanone	<6.2		6.2	1.9	ug/Kg	☼		04/08/16 15:04	1
Methylene Chloride	<6.2		6.2	4.7	ug/Kg	☼		04/08/16 15:04	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/08/16 15:04	1
methyl isobutyl ketone	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
Methyl tert-butyl ether	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
Styrene	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 15:04	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/08/16 15:04	1
Tetrachloroethene	<6.2		6.2	1.3	ug/Kg	☼		04/08/16 15:04	1
Toluene	<6.2		6.2	2.1	ug/Kg	☼		04/08/16 15:04	1
trans-1,2-Dichloroethene	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
trans-1,3-Dichloropropene	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 15:04	1
1,1,1-Trichloroethane	<6.2		6.2	1.4	ug/Kg	☼		04/08/16 15:04	1
1,1,2-Trichloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/08/16 15:04	1
Trichloroethene	<6.2		6.2	1.7	ug/Kg	☼		04/08/16 15:04	1
Vinyl chloride	<6.2		6.2	1.5	ug/Kg	☼		04/08/16 15:04	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		04/08/16 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 120*		*04/08/16 15:04*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/08/16 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*69 - 134*		*04/08/16 15:04*	*1*
Toluene-d8 (Surr)	*117*		*75 - 123*		*04/08/16 15:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1

Client Sample ID: IHB-1(8-13.5)-040616
Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,4-Dinitrophenol	<820		820	720	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Methylnaphthalene	**14**	**J**	40	7.5	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Acenaphthene	**18**	**J**	40	7.3	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Acenaphthylene	**8.9**	**J**	40	5.4	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Anthracene	**60**		40	6.8	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Benzo[a]anthracene	**120**		40	5.5	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Benzo[a]pyrene	**110**		40	7.9	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Benzo[b]fluoranthene	**190**		40	8.8	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Benzo[g,h,i]perylene	**42**		40	13	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Benzo[k]fluoranthene	**92**		40	12	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Chrysene	**150**		40	11	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Dibenz(a,h)anthracene	<40		40	7.9	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Dibenzofuran	<200		200	48	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Fluoranthene	**360**		40	7.5	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Fluorene	**24**	**J**	40	5.7	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Hexachloroethane	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1

Client Sample ID: IHB-1(8-13.5)-040616
Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**46**		40	11	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Isophorone	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Naphthalene	**11**	**J**	40	6.2	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
N-Nitrosodi-n-propylamine	<82		82	50	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Phenanthrene	**300**		40	5.7	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Phenol	<200		200	90	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1
Pyrene	**290**		40	8.1	ug/Kg	☼	04/07/16 16:56	04/14/16 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*25 - 130*	*04/07/16 16:56*	*04/14/16 00:10*	*1*
2-Fluorobiphenyl	*83*		*42 - 115*	*04/07/16 16:56*	*04/14/16 00:10*	*1*
2-Fluorophenol	*65*		*40 - 130*	*04/07/16 16:56*	*04/14/16 00:10*	*1*
Nitrobenzene-d5	*67*		*33 - 124*	*04/07/16 16:56*	*04/14/16 00:10*	*1*
Phenol-d5	*74*		*36 - 123*	*04/07/16 16:56*	*04/14/16 00:10*	*1*
Terphenyl-d14	*91*		*25 - 150*	*04/07/16 16:56*	*04/14/16 00:10*	*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		04/08/16 14:19	04/09/16 18:11	1
Barium	**0.28**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Iron	**0.25**	**J**	0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:11	1
Manganese	**2.3**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Nickel	**0.023**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:11	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:11	1
Zinc	**0.031**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:11	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		04/08/16 14:22	04/09/16 23:27	1
Barium	**0.058**	**J**	0.50	0.050	mg/L		04/08/16 14:22	04/09/16 23:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 23:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 23:27	1
Chromium	**0.017**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Copper	**0.015**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Iron	**15**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 23:27	1
Lead	**0.012**		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 23:27	1
Manganese	**0.076**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 23:27	1

Client Sample ID: IHB-1(8-13.5)-040616
Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:27	1
Zinc	**0.051**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 23:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Arsenic	**11**		0.58	0.27	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Barium	**45**		0.58	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Beryllium	**0.72**		0.23	0.050	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Cadmium	**0.044**	**J**	0.12	0.034	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Calcium	**33000**	**B**	12	3.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Chromium	**17**	**B**	0.58	0.10	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Cobalt	**19**		0.29	0.066	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Copper	**27**		0.58	0.13	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Iron	**22000**	**B**	12	4.5	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Lead	**23**		0.29	0.14	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Magnesium	**20000**		5.8	2.4	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Manganese	**470**		0.58	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Nickel	**42**		0.58	0.16	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Potassium	**2500**		29	4.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Selenium	**0.63**		0.58	0.29	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Silver	<0.29		0.29	0.068	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Sodium	**160**	**B**	58	7.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Thallium	**0.44**	**J**	0.58	0.29	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Vanadium	**20**		0.29	0.085	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1
Zinc	**85**		1.2	0.37	mg/Kg	☼	04/07/16 16:06	04/09/16 20:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**57**		18	9.5	ug/Kg	☼	04/07/16 16:15	04/08/16 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.21**		0.200	0.200	SU			04/12/16 16:43	1

Client Sample ID: IHB-3(0-4)-040616

Date Collected: 04/06/16 09:35
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-8

Matrix: Solid
Percent Solids: 86.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<23		23	4.5	ug/Kg	☼		04/08/16 15:29	1
Benzene	<5.8		5.8	1.3	ug/Kg	☼		04/08/16 15:29	1
Bromodichloromethane	<5.8		5.8	0.97	ug/Kg	☼		04/08/16 15:29	1
Bromoform	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
Bromomethane	<5.8		5.8	2.1	ug/Kg	☼		04/08/16 15:29	1
Carbon disulfide	<5.8		5.8	2.1	ug/Kg	☼		04/08/16 15:29	1
Carbon tetrachloride	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
Chlorobenzene	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
Chloroethane	<5.8		5.8	2.4	ug/Kg	☼		04/08/16 15:29	1
Chloroform	<5.8		5.8	1.1	ug/Kg	☼		04/08/16 15:29	1
Chloromethane	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
cis-1,2-Dichloroethene	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
cis-1,3-Dichloropropene	<5.8		5.8	1.3	ug/Kg	☼		04/08/16 15:29	1
Dibromochloromethane	<5.8		5.8	0.66	ug/Kg	☼		04/08/16 15:29	1
1,1-Dichloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		04/08/16 15:29	1
1,1-Dichloroethene	<5.8		5.8	2.1	ug/Kg	☼		04/08/16 15:29	1
1,2-Dichloropropane	<5.8		5.8	1.5	ug/Kg	☼		04/08/16 15:29	1
1,3-Dichloropropene, Total	<5.8		5.8	1.6	ug/Kg	☼		04/08/16 15:29	1
Ethylbenzene	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
2-Hexanone	<5.8		5.8	1.8	ug/Kg	☼		04/08/16 15:29	1
Methylene Chloride	<5.8		5.8	4.4	ug/Kg	☼		04/08/16 15:29	1
Methyl Ethyl Ketone	<5.8		5.8	2.0	ug/Kg	☼		04/08/16 15:29	1
methyl isobutyl ketone	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
Methyl tert-butyl ether	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
Styrene	<5.8		5.8	1.3	ug/Kg	☼		04/08/16 15:29	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/08/16 15:29	1
Tetrachloroethene	<5.8		5.8	1.2	ug/Kg	☼		04/08/16 15:29	1
Toluene	<5.8		5.8	2.0	ug/Kg	☼		04/08/16 15:29	1
trans-1,2-Dichloroethene	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
trans-1,3-Dichloropropene	<5.8		5.8	1.6	ug/Kg	☼		04/08/16 15:29	1
1,1,1-Trichloroethane	<5.8		5.8	1.3	ug/Kg	☼		04/08/16 15:29	1
1,1,2-Trichloroethane	<5.8		5.8	1.1	ug/Kg	☼		04/08/16 15:29	1
Trichloroethene	<5.8		5.8	1.6	ug/Kg	☼		04/08/16 15:29	1
Vinyl chloride	<5.8		5.8	1.4	ug/Kg	☼		04/08/16 15:29	1
Xylenes, Total	<12		12	2.1	ug/Kg	☼		04/08/16 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 120*		*04/08/16 15:29*	*1*
Dibromofluoromethane	*116*		*75 - 120*		*04/08/16 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*69 - 134*		*04/08/16 15:29*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*		*04/08/16 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1

Client Sample ID: IHB-3(0-4)-040616
Date Collected: 04/06/16 09:35
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-8
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Methylnaphthalene	**31**	**J**	37	6.8	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4,6-Dinitro-2-methylphenol	<740		740	300	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Acenaphthylene	**16**	**J**	37	4.9	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Anthracene	**20**	**J**	37	6.2	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Benzo[a]anthracene	**62**		37	5.0	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Benzo[a]pyrene	**69**		37	7.1	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Benzo[b]fluoranthene	**140**		37	8.0	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Benzo[g,h,i]perylene	**25**	**J**	37	12	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Benzo[k]fluoranthene	**53**		37	11	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Carbazole	<190		190	92	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Chrysene	**89**		37	10	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Fluoranthene	**100**		37	6.8	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1

Client Sample ID: IHB-3(0-4)-040616
Date Collected: 04/06/16 09:35
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-8
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**26**	**J**	37	9.6	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Isophorone	<190		190	41	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Naphthalene	**19**	**J**	37	5.7	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
N-Nitrosodi-n-propylamine	<74		74	45	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Phenanthrene	**100**		37	5.1	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Phenol	<190		190	82	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1
Pyrene	**120**		37	7.3	ug/Kg	☼	04/07/16 16:56	04/14/16 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*46*		*25 - 130*	*04/07/16 16:56*	*04/14/16 00:38*	*1*
2-Fluorobiphenyl	*89*		*42 - 115*	*04/07/16 16:56*	*04/14/16 00:38*	*1*
2-Fluorophenol	*74*		*40 - 130*	*04/07/16 16:56*	*04/14/16 00:38*	*1*
Nitrobenzene-d5	*77*		*33 - 124*	*04/07/16 16:56*	*04/14/16 00:38*	*1*
Phenol-d5	*81*		*36 - 123*	*04/07/16 16:56*	*04/14/16 00:38*	*1*
Terphenyl-d14	*104*		*25 - 150*	*04/07/16 16:56*	*04/14/16 00:38*	*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		04/08/16 14:19	04/09/16 18:17	1
Barium	**0.50**		0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:17	1
Manganese	**0.90**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Nickel	**0.010**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:17	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:17	1
Zinc	**0.039**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:17	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		04/08/16 14:22	04/09/16 23:33	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		04/08/16 14:22	04/09/16 23:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 23:33	1
Chromium	**0.073**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Copper	**0.067**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Iron	**68**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 23:33	1
Lead	**0.050**		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 23:33	1
Manganese	**0.29**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Nickel	**0.072**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 23:33	1

Client Sample ID: IHB-3(0-4)-040616
Date Collected: 04/06/16 09:35
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-8
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:33	1
Zinc	**0.24**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 23:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.23	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Arsenic	**8.2**		0.55	0.25	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Barium	**50**		0.55	0.10	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Beryllium	**0.74**		0.22	0.048	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Cadmium	**0.10**	**J**	0.11	0.032	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Calcium	**48000**		110	35	mg/Kg	☼	04/07/16 16:06	04/11/16 15:58	10
Chromium	**16**	**B**	0.55	0.094	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Cobalt	**13**		0.27	0.062	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Copper	**25**		0.55	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Iron	**19000**	**B**	11	4.2	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Lead	**24**		0.27	0.14	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Magnesium	**20000**		5.5	2.2	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Manganese	**340**		0.55	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Nickel	**33**		0.55	0.15	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Potassium	**2300**		27	4.5	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Selenium	**0.60**		0.55	0.27	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Silver	<0.27		0.27	0.064	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Sodium	**150**	**B**	55	7.2	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Thallium	**0.34**	**J**	0.55	0.27	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Vanadium	**19**		0.27	0.080	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1
Zinc	**82**		1.1	0.35	mg/Kg	☼	04/07/16 16:06	04/09/16 20:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**49**		17	9.0	ug/Kg	☼	04/07/16 16:15	04/08/16 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.92**		0.200	0.200	SU			04/12/16 16:46	1

Client Sample ID: IHB-3(4-8)-040616

Date Collected: 04/06/16 09:40
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-9

Matrix: Solid
Percent Solids: 81.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25	4.8	ug/Kg	☼		04/08/16 15:55	1
Benzene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 15:55	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/08/16 15:55	1
Bromoform	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
Bromomethane	<6.1		6.1	2.3	ug/Kg	☼		04/08/16 15:55	1
Carbon disulfide	<6.1		6.1	2.3	ug/Kg	☼		04/08/16 15:55	1
Carbon tetrachloride	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
Chlorobenzene	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		04/08/16 15:55	1
Chloroform	<6.1		6.1	1.2	ug/Kg	☼		04/08/16 15:55	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
cis-1,2-Dichloroethene	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
cis-1,3-Dichloropropene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 15:55	1
Dibromochloromethane	<6.1		6.1	0.71	ug/Kg	☼		04/08/16 15:55	1
1,1-Dichloroethane	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/08/16 15:55	1
1,1-Dichloroethene	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 15:55	1
1,2-Dichloropropane	<6.1		6.1	1.6	ug/Kg	☼		04/08/16 15:55	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 15:55	1
Ethylbenzene	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
2-Hexanone	<6.1		6.1	1.9	ug/Kg	☼		04/08/16 15:55	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		04/08/16 15:55	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 15:55	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
Methyl tert-butyl ether	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
Styrene	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 15:55	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	0.98	ug/Kg	☼		04/08/16 15:55	1
Tetrachloroethene	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 15:55	1
Toluene	<6.1		6.1	2.1	ug/Kg	☼		04/08/16 15:55	1
trans-1,2-Dichloroethene	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
trans-1,3-Dichloropropene	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 15:55	1
1,1,1-Trichloroethane	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 15:55	1
1,1,2-Trichloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/08/16 15:55	1
Trichloroethene	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 15:55	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 15:55	1
Xylenes, Total	<12		12	2.3	ug/Kg	☼		04/08/16 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 120*		*04/08/16 15:55*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/08/16 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*69 - 134*		*04/08/16 15:55*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*		*04/08/16 15:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1

Client Sample ID: IHB-3(4-8)-040616
Date Collected: 04/06/16 09:40
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-9
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Methylnaphthalene	**11**	**J**	38	7.1	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Benzo[a]anthracene	**6.3**	**J**	38	5.2	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Carbazole	<190		190	96	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Chrysene	**19**	**J**	38	11	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Fluoranthene	**15**	**J**	38	7.2	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1

Client Sample ID: IHB-3(4-8)-040616
Date Collected: 04/06/16 09:40
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-9
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Phenanthrene	**26**	**J**	38	5.4	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Phenol	<190		190	86	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1
Pyrene	**20**	**J**	38	7.7	ug/Kg	☼	04/07/16 16:56	04/14/16 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*25 - 130*	*04/07/16 16:56*	*04/14/16 01:07*	*1*
2-Fluorobiphenyl	*92*		*42 - 115*	*04/07/16 16:56*	*04/14/16 01:07*	*1*
2-Fluorophenol	*71*		*40 - 130*	*04/07/16 16:56*	*04/14/16 01:07*	*1*
Nitrobenzene-d5	*74*		*33 - 124*	*04/07/16 16:56*	*04/14/16 01:07*	*1*
Phenol-d5	*78*		*36 - 123*	*04/07/16 16:56*	*04/14/16 01:07*	*1*
Terphenyl-d14	*109*		*25 - 150*	*04/07/16 16:56*	*04/14/16 01:07*	*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		04/08/16 14:19	04/09/16 18:22	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Iron	**0.34**	**J**	0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:22	1
Manganese	**0.52**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:22	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:22	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Barium	**0.055**	**J**	0.50	0.050	mg/L		04/08/16 14:22	04/09/16 23:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 23:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 23:40	1
Chromium	**0.019**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Iron	**17**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 23:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 23:40	1
Manganese	**0.060**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 23:40	1

Client Sample ID: IHB-3(4-8)-040616
Date Collected: 04/06/16 09:40
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-9
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:40	1
Zinc	**0.058**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 23:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Arsenic	**9.0**		0.57	0.26	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Barium	**41**		0.57	0.10	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Beryllium	**0.72**		0.23	0.049	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Cadmium	**0.035**	**J**	0.11	0.033	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Calcium	**22000**	**B**	11	3.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Chromium	**16**	**B**	0.57	0.098	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Cobalt	**13**		0.28	0.064	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Copper	**28**		0.57	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Iron	**19000**	**B**	11	4.4	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Lead	**20**		0.28	0.14	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Magnesium	**14000**		5.7	2.3	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Manganese	**350**		0.57	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Nickel	**34**		0.57	0.15	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Potassium	**2200**		28	4.6	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Selenium	**0.88**		0.57	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Silver	<0.28		0.28	0.066	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Sodium	**110**	**B**	57	7.5	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Thallium	**0.36**	**J**	0.57	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Vanadium	**20**		0.28	0.083	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1
Zinc	**68**		1.1	0.36	mg/Kg	☼	04/07/16 16:06	04/09/16 20:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**27**		20	11	ug/Kg	☼	04/07/16 16:15	04/08/16 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.30**		0.200	0.200	SU			04/12/16 16:49	1

Client Sample ID: IHB-3(8-13.5)-040616

Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10

Matrix: Solid
Percent Solids: 82.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<24		24	4.7	ug/Kg	☼		04/08/16 16:20	1
Benzene	<6.1	F1	6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
Bromodichloromethane	<6.1	F1	6.1	1.0	ug/Kg	☼		04/08/16 16:20	1
Bromoform	<6.1	F1	6.1	1.2	ug/Kg	☼		04/08/16 16:20	1
Bromomethane	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 16:20	1
Carbon disulfide	<6.1	F1	6.1	2.2	ug/Kg	☼		04/08/16 16:20	1
Carbon tetrachloride	<6.1	F1	6.1	1.3	ug/Kg	☼		04/08/16 16:20	1
Chlorobenzene	<6.1	F1	6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
Chloroethane	<6.1		6.1	2.6	ug/Kg	☼		04/08/16 16:20	1
Chloroform	<6.1	F1	6.1	1.2	ug/Kg	☼		04/08/16 16:20	1
Chloromethane	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 16:20	1
cis-1,2-Dichloroethene	<6.1	F1	6.1	1.2	ug/Kg	☼		04/08/16 16:20	1
cis-1,3-Dichloropropene	<6.1	F1	6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
Dibromochloromethane	<6.1	F1	6.1	0.70	ug/Kg	☼		04/08/16 16:20	1
1,1-Dichloroethane	<6.1	F1	6.1	1.3	ug/Kg	☼		04/08/16 16:20	1
1,2-Dichloroethane	<6.1	F1	6.1	0.90	ug/Kg	☼		04/08/16 16:20	1
1,1-Dichloroethene	<6.1	F1	6.1	2.2	ug/Kg	☼		04/08/16 16:20	1
1,2-Dichloropropane	<6.1	F1	6.1	1.6	ug/Kg	☼		04/08/16 16:20	1
1,3-Dichloropropene, Total	<6.1		6.1	1.7	ug/Kg	☼		04/08/16 16:20	1
Ethylbenzene	<6.1	F1	6.1	1.5	ug/Kg	☼		04/08/16 16:20	1
2-Hexanone	<6.1	F1	6.1	1.9	ug/Kg	☼		04/08/16 16:20	1
Methylene Chloride	<6.1		6.1	4.6	ug/Kg	☼		04/08/16 16:20	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/08/16 16:20	1
methyl isobutyl ketone	<6.1		6.1	1.3	ug/Kg	☼		04/08/16 16:20	1
Methyl tert-butyl ether	<6.1		6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
Styrene	<6.1	F1	6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
1,1,2,2-Tetrachloroethane	<6.1	F1	6.1	0.97	ug/Kg	☼		04/08/16 16:20	1
Tetrachloroethene	<6.1	F1	6.1	1.3	ug/Kg	☼		04/08/16 16:20	1
Toluene	<6.1	F1	6.1	2.1	ug/Kg	☼		04/08/16 16:20	1
trans-1,2-Dichloroethene	<6.1	F1	6.1	1.5	ug/Kg	☼		04/08/16 16:20	1
trans-1,3-Dichloropropene	<6.1	F1	6.1	1.7	ug/Kg	☼		04/08/16 16:20	1
1,1,1-Trichloroethane	<6.1	F1	6.1	1.4	ug/Kg	☼		04/08/16 16:20	1
1,1,2-Trichloroethane	<6.1	F1	6.1	1.2	ug/Kg	☼		04/08/16 16:20	1
Trichloroethene	<6.1	F1	6.1	1.6	ug/Kg	☼		04/08/16 16:20	1
Vinyl chloride	<6.1		6.1	1.5	ug/Kg	☼		04/08/16 16:20	1
Xylenes, Total	<12	F1	12	2.3	ug/Kg	☼		04/08/16 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 120*		*04/08/16 16:20*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/08/16 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*69 - 134*		*04/08/16 16:20*	*1*
Toluene-d8 (Surr)	*116*		*75 - 123*		*04/08/16 16:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1

Client Sample ID: IHB-3(8-13.5)-040616
Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Methylnaphthalene	**16**	**J**	39	7.2	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4,6-Dinitro-2-methylphenol	<790		790	320	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Benzo[a]anthracene	**12**	**J**	39	5.3	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Benzo[b]fluoranthene	<39		39	8.5	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Carbazole	<200		200	98	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Chrysene	**23**	**J**	39	11	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Fluoranthene	**23**	**J**	39	7.3	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1

Client Sample ID: IHB-3(8-13.5)-040616
Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Naphthalene	**13**	**J**	39	6.1	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
N-Nitrosodi-n-propylamine	<79		79	48	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Phenanthrene	**92**		39	5.5	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Phenol	<200		200	87	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1
Pyrene	**32**	**J**	39	7.8	ug/Kg	☼	04/07/16 16:56	04/14/16 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*40*		*25 - 130*	*04/07/16 16:56*	*04/14/16 01:35*	*1*
2-Fluorobiphenyl	*76*		*42 - 115*	*04/07/16 16:56*	*04/14/16 01:35*	*1*
2-Fluorophenol	*68*		*40 - 130*	*04/07/16 16:56*	*04/14/16 01:35*	*1*
Nitrobenzene-d5	*61*		*33 - 124*	*04/07/16 16:56*	*04/14/16 01:35*	*1*
Phenol-d5	*69*		*36 - 123*	*04/07/16 16:56*	*04/14/16 01:35*	*1*
Terphenyl-d14	*94*		*25 - 150*	*04/07/16 16:56*	*04/14/16 01:35*	*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		04/08/16 14:19	04/09/16 18:37	1
Barium	**0.44**	**J**	0.50	0.050	mg/L		04/08/16 14:19	04/09/16 18:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 18:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 18:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 18:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 18:37	1
Manganese	**1.9**		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 18:37	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 18:37	1
Zinc	**0.027**	**J B**	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 18:37	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		04/08/16 14:22	04/09/16 23:47	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 23:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 23:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 23:47	1
Chromium	**0.013**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Iron	**10**		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 23:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 23:47	1
Manganese	**0.070**		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 23:47	1

Client Sample ID: IHB-3(8-13.5)-040616
Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10
Matrix: Solid
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 23:47	1
Zinc	**0.038**	**J**	0.50	0.020	mg/L		04/08/16 14:22	04/09/16 23:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.24	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Arsenic	**11**		0.57	0.26	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Barium	**43**		0.57	0.10	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Beryllium	**0.75**		0.23	0.049	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Cadmium	<0.11		0.11	0.033	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Calcium	**21000**	**B**	11	3.7	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Chromium	**17**	**B**	0.57	0.098	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Cobalt	**18**		0.28	0.064	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Copper	**33**		0.57	0.12	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Iron	**24000**	**B**	11	4.4	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Lead	**21**		0.28	0.14	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Magnesium	**14000**		5.7	2.3	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Manganese	**370**		0.57	0.11	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Nickel	**39**		0.57	0.15	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Potassium	**2300**		28	4.6	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Selenium	**0.86**		0.57	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Silver	<0.28		0.28	0.067	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Sodium	**110**	**B**	57	7.5	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Thallium	**0.37**	**J**	0.57	0.28	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Vanadium	**20**		0.28	0.083	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1
Zinc	**79**		1.1	0.36	mg/Kg	☼	04/07/16 16:06	04/09/16 20:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 12:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**76**		20	11	ug/Kg	☼	04/07/16 16:15	04/08/16 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.19**		0.200	0.200	SU			04/12/16 16:52	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

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

GC/MS VOA

Analysis Batch: 330284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	8260B	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	8260B	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	8260B	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	8260B	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	8260B	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	8260B	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	8260B	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	8260B	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	8260B	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	8260B	
500-109818-10 MS	IHB-3(8-13.5)-040616	Total/NA	Solid	8260B	
500-109818-10 MSD	IHB-3(8-13.5)-040616	Total/NA	Solid	8260B	
LCS 500-330284/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-330284/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 330201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	3541	
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	3541	
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	3541	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	3541	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	3541	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	3541	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	3541	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	3541	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	3541	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	3541	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	3541	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	3541	
LCS 500-330201/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-330201/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 330269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-330201/2-A	Lab Control Sample	Total/NA	Solid	8270D	330201
MB 500-330201/1-A	Method Blank	Total/NA	Solid	8270D	330201

Analysis Batch: 330772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	8270D	330201
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	8270D	330201

Analysis Batch: 330956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	8270D	330201
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	8270D	330201
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	8270D	330201
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	8270D	330201

GC/MS Semi VOA (Continued)

Analysis Batch: 330956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	8270D	330201
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	8270D	330201
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	8270D	330201
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	8270D	330201
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	8270D	330201
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	8270D	330201

Metals

Prep Batch: 330157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	7471B	
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	7471B	
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	7471B	
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	7471B	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	7471B	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	7471B	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	7471B	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	7471B	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	7471B	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	7471B	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	7471B	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	7471B	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	7471B	
LCS 500-330157/13-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 500-330157/12-A	Method Blank	Total/NA	Solid	7471B	

Leach Batch: 330172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	TCLP	Solid	1311	
500-109818-2	IHB-2(0-4)-040616D	TCLP	Solid	1311	
500-109818-2 DU	IHB-2(0-4)-040616D	TCLP	Solid	1311	
500-109818-2 MS	IHB-2(0-4)-040616D	TCLP	Solid	1311	
500-109818-3	IHB-2(4-8)-040616	TCLP	Solid	1311	
500-109818-4	IHB-2(8-13.5)-040616	TCLP	Solid	1311	
500-109818-5	IHB-1(0-4)-040616	TCLP	Solid	1311	
500-109818-6	IHB-1(4-8)-040616	TCLP	Solid	1311	
500-109818-7	IHB-1(8-13.5)-040616	TCLP	Solid	1311	
500-109818-8	IHB-3(0-4)-040616	TCLP	Solid	1311	
500-109818-9	IHB-3(4-8)-040616	TCLP	Solid	1311	
500-109818-10	IHB-3(8-13.5)-040616	TCLP	Solid	1311	
500-109818-10 DU	IHB-3(8-13.5)-040616	TCLP	Solid	1311	
500-109818-10 MS	IHB-3(8-13.5)-040616	TCLP	Solid	1311	
LB 500-330172/1-B	Method Blank	TCLP	Solid	1311	
LB 500-330172/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 330176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	SPLP East	Solid	1312	
500-109818-2	IHB-2(0-4)-040616D	SPLP East	Solid	1312	

Metals (Continued)

Leach Batch: 330176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-2 DU	IHB-2(0-4)-040616D	SPLP East	Solid	1312	
500-109818-2 MS	IHB-2(0-4)-040616D	SPLP East	Solid	1312	
500-109818-3	IHB-2(4-8)-040616	SPLP East	Solid	1312	
500-109818-4	IHB-2(8-13.5)-040616	SPLP East	Solid	1312	
500-109818-5	IHB-1(0-4)-040616	SPLP East	Solid	1312	
500-109818-6	IHB-1(4-8)-040616	SPLP East	Solid	1312	
500-109818-7	IHB-1(8-13.5)-040616	SPLP East	Solid	1312	
500-109818-8	IHB-3(0-4)-040616	SPLP East	Solid	1312	
500-109818-9	IHB-3(4-8)-040616	SPLP East	Solid	1312	
500-109818-10	IHB-3(8-13.5)-040616	SPLP East	Solid	1312	
500-109818-10 DU	IHB-3(8-13.5)-040616	SPLP East	Solid	1312	
500-109818-10 MS	IHB-3(8-13.5)-040616	SPLP East	Solid	1312	
LB 500-330176/1-B	Method Blank	SPLP East	Solid	1312	
LB 500-330176/1-C	Method Blank	SPLP East	Solid	1312	

Prep Batch: 330194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	3050B	
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	3050B	
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	3050B	
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	3050B	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	3050B	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	3050B	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	3050B	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	3050B	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	3050B	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	3050B	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	3050B	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	3050B	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	3050B	
LCS 500-330194/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 500-330194/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 330320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	TCLP	Solid	7470A	330172
500-109818-2	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330172
500-109818-2 DU	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330172
500-109818-2 MS	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330172
500-109818-3	IHB-2(4-8)-040616	TCLP	Solid	7470A	330172
500-109818-4	IHB-2(8-13.5)-040616	TCLP	Solid	7470A	330172
500-109818-5	IHB-1(0-4)-040616	TCLP	Solid	7470A	330172
500-109818-6	IHB-1(4-8)-040616	TCLP	Solid	7470A	330172
500-109818-7	IHB-1(8-13.5)-040616	TCLP	Solid	7470A	330172
500-109818-8	IHB-3(0-4)-040616	TCLP	Solid	7470A	330172
500-109818-9	IHB-3(4-8)-040616	TCLP	Solid	7470A	330172
500-109818-10	IHB-3(8-13.5)-040616	TCLP	Solid	7470A	330172
LB 500-330172/1-B	Method Blank	TCLP	Solid	7470A	330172
LCS 500-330320/13-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-330320/12-A	Method Blank	Total/NA	Solid	7470A	

Metals (Continued)

Prep Batch: 330322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	SPLP East	Solid	7470A	330176
500-109818-2	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330176
500-109818-2 DU	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330176
500-109818-2 MS	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330176
500-109818-3	IHB-2(4-8)-040616	SPLP East	Solid	7470A	330176
500-109818-4	IHB-2(8-13.5)-040616	SPLP East	Solid	7470A	330176
500-109818-5	IHB-1(0-4)-040616	SPLP East	Solid	7470A	330176
500-109818-6	IHB-1(4-8)-040616	SPLP East	Solid	7470A	330176
500-109818-7	IHB-1(8-13.5)-040616	SPLP East	Solid	7470A	330176
500-109818-8	IHB-3(0-4)-040616	SPLP East	Solid	7470A	330176
500-109818-9	IHB-3(4-8)-040616	SPLP East	Solid	7470A	330176
500-109818-10	IHB-3(8-13.5)-040616	SPLP East	Solid	7470A	330176
LB 500-330176/1-B	Method Blank	SPLP East	Solid	7470A	330176
LCS 500-330322/13-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-330322/12-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 330337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	TCLP	Solid	3010A	330172
500-109818-2	IHB-2(0-4)-040616D	TCLP	Solid	3010A	330172
500-109818-3	IHB-2(4-8)-040616	TCLP	Solid	3010A	330172
500-109818-4	IHB-2(8-13.5)-040616	TCLP	Solid	3010A	330172
500-109818-5	IHB-1(0-4)-040616	TCLP	Solid	3010A	330172
500-109818-6	IHB-1(4-8)-040616	TCLP	Solid	3010A	330172
500-109818-7	IHB-1(8-13.5)-040616	TCLP	Solid	3010A	330172
500-109818-8	IHB-3(0-4)-040616	TCLP	Solid	3010A	330172
500-109818-9	IHB-3(4-8)-040616	TCLP	Solid	3010A	330172
500-109818-10	IHB-3(8-13.5)-040616	TCLP	Solid	3010A	330172
500-109818-10 DU	IHB-3(8-13.5)-040616	TCLP	Solid	3010A	330172
500-109818-10 MS	IHB-3(8-13.5)-040616	TCLP	Solid	3010A	330172
LB 500-330172/1-C	Method Blank	TCLP	Solid	3010A	330172
LCS 500-330337/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 330338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	SPLP East	Solid	3010A	330176
500-109818-2	IHB-2(0-4)-040616D	SPLP East	Solid	3010A	330176
500-109818-3	IHB-2(4-8)-040616	SPLP East	Solid	3010A	330176
500-109818-4	IHB-2(8-13.5)-040616	SPLP East	Solid	3010A	330176
500-109818-5	IHB-1(0-4)-040616	SPLP East	Solid	3010A	330176
500-109818-6	IHB-1(4-8)-040616	SPLP East	Solid	3010A	330176
500-109818-7	IHB-1(8-13.5)-040616	SPLP East	Solid	3010A	330176
500-109818-8	IHB-3(0-4)-040616	SPLP East	Solid	3010A	330176
500-109818-9	IHB-3(4-8)-040616	SPLP East	Solid	3010A	330176
500-109818-10	IHB-3(8-13.5)-040616	SPLP East	Solid	3010A	330176
500-109818-10 DU	IHB-3(8-13.5)-040616	SPLP East	Solid	3010A	330176
500-109818-10 MS	IHB-3(8-13.5)-040616	SPLP East	Solid	3010A	330176
LB 500-330176/1-C	Method Blank	SPLP East	Solid	3010A	330176
LCS 500-330338/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Metals (Continued)

Analysis Batch: 330341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	7471B	330157
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	7471B	330157
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	7471B	330157
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	7471B	330157
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	7471B	330157
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	7471B	330157
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	7471B	330157
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	7471B	330157
LCS 500-330157/13-A	Lab Control Sample	Total/NA	Solid	7471B	330157
MB 500-330157/12-A	Method Blank	Total/NA	Solid	7471B	330157

Analysis Batch: 330430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	6010B	330194
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	6010B	330194
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	6010B	330194
LCS 500-330194/2-A	Lab Control Sample	Total/NA	Solid	6010B	330194
MB 500-330194/1-A	Method Blank	Total/NA	Solid	6010B	330194

Analysis Batch: 330545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	SPLP East	Solid	6010B	330338
500-109818-2	IHB-2(0-4)-040616D	SPLP East	Solid	6010B	330338
500-109818-3	IHB-2(4-8)-040616	SPLP East	Solid	6010B	330338
500-109818-4	IHB-2(8-13.5)-040616	SPLP East	Solid	6010B	330338
500-109818-5	IHB-1(0-4)-040616	SPLP East	Solid	6010B	330338
500-109818-6	IHB-1(4-8)-040616	SPLP East	Solid	6010B	330338
500-109818-7	IHB-1(8-13.5)-040616	SPLP East	Solid	6010B	330338
500-109818-8	IHB-3(0-4)-040616	SPLP East	Solid	6010B	330338
500-109818-9	IHB-3(4-8)-040616	SPLP East	Solid	6010B	330338
500-109818-10	IHB-3(8-13.5)-040616	SPLP East	Solid	6010B	330338
500-109818-10 DU	IHB-3(8-13.5)-040616	SPLP East	Solid	6010B	330338
500-109818-10 MS	IHB-3(8-13.5)-040616	SPLP East	Solid	6010B	330338
LB 500-330176/1-C	Method Blank	SPLP East	Solid	6010B	330338
LCS 500-330338/2-A	Lab Control Sample	Total/NA	Solid	6010B	330338

Analysis Batch: 330551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	TCLP	Solid	6010B	330337
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-1 MS	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194

Metals (Continued)

Analysis Batch: 330551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1 MSD	IHB-2(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-2	IHB-2(0-4)-040616D	TCLP	Solid	6010B	330337
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	6010B	330194
500-109818-3	IHB-2(4-8)-040616	TCLP	Solid	6010B	330337
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	6010B	330194
500-109818-4	IHB-2(8-13.5)-040616	TCLP	Solid	6010B	330337
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	6010B	330194
500-109818-5	IHB-1(0-4)-040616	TCLP	Solid	6010B	330337
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-6	IHB-1(4-8)-040616	TCLP	Solid	6010B	330337
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	6010B	330194
500-109818-7	IHB-1(8-13.5)-040616	TCLP	Solid	6010B	330337
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	6010B	330194
500-109818-8	IHB-3(0-4)-040616	TCLP	Solid	6010B	330337
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	6010B	330194
500-109818-9	IHB-3(4-8)-040616	TCLP	Solid	6010B	330337
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	6010B	330194
500-109818-10	IHB-3(8-13.5)-040616	TCLP	Solid	6010B	330337
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	6010B	330194
500-109818-10 DU	IHB-3(8-13.5)-040616	TCLP	Solid	6010B	330337
500-109818-10 MS	IHB-3(8-13.5)-040616	TCLP	Solid	6010B	330337
LB 500-330172/1-C	Method Blank	TCLP	Solid	6010B	330337
LCS 500-330337/2-A	Lab Control Sample	Total/NA	Solid	6010B	330337

Analysis Batch: 330599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	SPLP East	Solid	7470A	330322
500-109818-1	IHB-2(0-4)-040616	TCLP	Solid	7470A	330320
500-109818-2	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330322
500-109818-2	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330320
500-109818-2 DU	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330322
500-109818-2 DU	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330320
500-109818-2 MS	IHB-2(0-4)-040616D	SPLP East	Solid	7470A	330322
500-109818-2 MS	IHB-2(0-4)-040616D	TCLP	Solid	7470A	330320
500-109818-3	IHB-2(4-8)-040616	SPLP East	Solid	7470A	330322
500-109818-3	IHB-2(4-8)-040616	TCLP	Solid	7470A	330320
500-109818-4	IHB-2(8-13.5)-040616	SPLP East	Solid	7470A	330322
500-109818-4	IHB-2(8-13.5)-040616	TCLP	Solid	7470A	330320
500-109818-5	IHB-1(0-4)-040616	SPLP East	Solid	7470A	330322
500-109818-5	IHB-1(0-4)-040616	TCLP	Solid	7470A	330320
500-109818-6	IHB-1(4-8)-040616	SPLP East	Solid	7470A	330322
500-109818-6	IHB-1(4-8)-040616	TCLP	Solid	7470A	330320
500-109818-7	IHB-1(8-13.5)-040616	SPLP East	Solid	7470A	330322
500-109818-7	IHB-1(8-13.5)-040616	TCLP	Solid	7470A	330320
500-109818-8	IHB-3(0-4)-040616	SPLP East	Solid	7470A	330322
500-109818-8	IHB-3(0-4)-040616	TCLP	Solid	7470A	330320
500-109818-9	IHB-3(4-8)-040616	SPLP East	Solid	7470A	330322
500-109818-9	IHB-3(4-8)-040616	TCLP	Solid	7470A	330320
500-109818-10	IHB-3(8-13.5)-040616	SPLP East	Solid	7470A	330322
500-109818-10	IHB-3(8-13.5)-040616	TCLP	Solid	7470A	330320
LB 500-330172/1-B	Method Blank	TCLP	Solid	7470A	330320

Metals (Continued)

Analysis Batch: 330599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-330176/1-B	Method Blank	SPLP East	Solid	7470A	330322
LCS 500-330320/13-A	Lab Control Sample	Total/NA	Solid	7470A	330320
LCS 500-330322/13-A	Lab Control Sample	Total/NA	Solid	7470A	330322
MB 500-330320/12-A	Method Blank	Total/NA	Solid	7470A	330320
MB 500-330322/12-A	Method Blank	Total/NA	Solid	7470A	330322

Analysis Batch: 330687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	6010B	330194

General Chemistry

Analysis Batch: 330141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	Moisture	
500-109818-1 DU	IHB-2(0-4)-040616	Total/NA	Solid	Moisture	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	Moisture	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	Moisture	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	Moisture	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	Moisture	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	Moisture	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	Moisture	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	Moisture	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	Moisture	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	Moisture	

Analysis Batch: 330840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-109818-1	IHB-2(0-4)-040616	Total/NA	Solid	9045D	
500-109818-2	IHB-2(0-4)-040616D	Total/NA	Solid	9045D	
500-109818-3	IHB-2(4-8)-040616	Total/NA	Solid	9045D	
500-109818-4	IHB-2(8-13.5)-040616	Total/NA	Solid	9045D	
500-109818-5	IHB-1(0-4)-040616	Total/NA	Solid	9045D	
500-109818-6	IHB-1(4-8)-040616	Total/NA	Solid	9045D	
500-109818-7	IHB-1(8-13.5)-040616	Total/NA	Solid	9045D	
500-109818-8	IHB-3(0-4)-040616	Total/NA	Solid	9045D	
500-109818-9	IHB-3(4-8)-040616	Total/NA	Solid	9045D	
500-109818-10	IHB-3(8-13.5)-040616	Total/NA	Solid	9045D	
500-109818-10 DU	IHB-3(8-13.5)-040616	Total/NA	Solid	9045D	

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Method: 8260B - VOC

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-120)	(75-120)	(69-134)	(75-123)
500-109818-1	IHB-2(0-4)-040616	110	110	100	121
500-109818-2	IHB-2(0-4)-040616D	112	110	100	114
500-109818-3	IHB-2(4-8)-040616	115	111	104	117
500-109818-4	IHB-2(8-13.5)-040616	117	113	101	119
500-109818-5	IHB-1(0-4)-040616	116	112	99	116
500-109818-6	IHB-1(4-8)-040616	113	113	102	116
500-109818-7	IHB-1(8-13.5)-040616	113	109	100	117
500-109818-8	IHB-3(0-4)-040616	115	116	108	116
500-109818-9	IHB-3(4-8)-040616	116	114	101	116
500-109818-10	IHB-3(8-13.5)-040616	115	113	105	116
500-109818-10 MS	IHB-3(8-13.5)-040616	113	111	96	120
500-109818-10 MSD	IHB-3(8-13.5)-040616	120	110	95	117
LCS 500-330284/5	Lab Control Sample	118	111	101	119
MB 500-330284/6	Method Blank	117	116	104	113

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(25-130)	(42-115)	(40-130)	(33-124)	(36-123)	(25-150)
500-109818-1	IHB-2(0-4)-040616	56	57	42	47	51	62
500-109818-1 MS	IHB-2(0-4)-040616	96	86	70	73	77	97
500-109818-1 MSD	IHB-2(0-4)-040616	84	93	80	80	86	103
500-109818-2	IHB-2(0-4)-040616D	73	82	69	68	76	84
500-109818-3	IHB-2(4-8)-040616	43	86	72	67	83	88
500-109818-4	IHB-2(8-13.5)-040616	65	92	76	75	86	96
500-109818-5	IHB-1(0-4)-040616	94	92	81	77	85	106
500-109818-6	IHB-1(4-8)-040616	66	83	67	67	74	93
500-109818-7	IHB-1(8-13.5)-040616	55	83	65	67	74	91
500-109818-8	IHB-3(0-4)-040616	46	89	74	77	81	104
500-109818-9	IHB-3(4-8)-040616	81	92	71	74	78	109
500-109818-10	IHB-3(8-13.5)-040616	40	76	68	61	69	94
LCS 500-330201/2-A	Lab Control Sample	88	85	75	68	72	81
MB 500-330201/1-A	Method Blank	69	95	84	70	82	92

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Method: 8260B - VOC

Lab Sample ID: MB 500-330284/6
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		20	3.9	ug/Kg			04/08/16 11:54	1
Benzene	<5.0		5.0	1.1	ug/Kg			04/08/16 11:54	1
Bromodichloromethane	<5.0		5.0	0.84	ug/Kg			04/08/16 11:54	1
Bromoform	<5.0		5.0	1.0	ug/Kg			04/08/16 11:54	1
Bromomethane	<5.0		5.0	1.8	ug/Kg			04/08/16 11:54	1
Carbon disulfide	<5.0		5.0	1.8	ug/Kg			04/08/16 11:54	1
Carbon tetrachloride	<5.0		5.0	1.1	ug/Kg			04/08/16 11:54	1
Chlorobenzene	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
Chloroethane	<5.0		5.0	2.1	ug/Kg			04/08/16 11:54	1
Chloroform	<5.0		5.0	0.98	ug/Kg			04/08/16 11:54	1
Chloromethane	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
cis-1,2-Dichloroethene	<5.0		5.0	1.0	ug/Kg			04/08/16 11:54	1
cis-1,3-Dichloropropene	<5.0		5.0	1.1	ug/Kg			04/08/16 11:54	1
Dibromochloromethane	<5.0		5.0	0.58	ug/Kg			04/08/16 11:54	1
1,1-Dichloroethane	<5.0		5.0	1.0	ug/Kg			04/08/16 11:54	1
1,2-Dichloroethane	<5.0		5.0	0.74	ug/Kg			04/08/16 11:54	1
1,1-Dichloroethene	<5.0		5.0	1.8	ug/Kg			04/08/16 11:54	1
1,2-Dichloropropane	<5.0		5.0	1.3	ug/Kg			04/08/16 11:54	1
1,3-Dichloropropene, Total	<5.0		5.0	1.4	ug/Kg			04/08/16 11:54	1
Ethylbenzene	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
2-Hexanone	<5.0		5.0	1.6	ug/Kg			04/08/16 11:54	1
Methylene Chloride	<5.0		5.0	3.8	ug/Kg			04/08/16 11:54	1
Methyl Ethyl Ketone	<5.0		5.0	1.8	ug/Kg			04/08/16 11:54	1
methyl isobutyl ketone	<5.0		5.0	1.0	ug/Kg			04/08/16 11:54	1
Methyl tert-butyl ether	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
Styrene	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.79	ug/Kg			04/08/16 11:54	1
Tetrachloroethene	<5.0		5.0	1.0	ug/Kg			04/08/16 11:54	1
Toluene	<5.0		5.0	1.7	ug/Kg			04/08/16 11:54	1
trans-1,2-Dichloroethene	<5.0		5.0	1.3	ug/Kg			04/08/16 11:54	1
trans-1,3-Dichloropropene	<5.0		5.0	1.4	ug/Kg			04/08/16 11:54	1
1,1,1-Trichloroethane	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
1,1,2-Trichloroethane	<5.0		5.0	0.97	ug/Kg			04/08/16 11:54	1
Trichloroethene	<5.0		5.0	1.4	ug/Kg			04/08/16 11:54	1
Vinyl chloride	<5.0		5.0	1.2	ug/Kg			04/08/16 11:54	1
Xylenes, Total	<10		10	1.9	ug/Kg			04/08/16 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 120*		*04/08/16 11:54*	*1*
Dibromofluoromethane	*116*		*75 - 120*		*04/08/16 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*69 - 134*		*04/08/16 11:54*	*1*
Toluene-d8 (Surr)	*113*		*75 - 123*		*04/08/16 11:54*	*1*

Method: 8260B - VOC (Continued)

Lab Sample ID: LCS 500-330284/5
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	50.0	48.9		ug/Kg		98	40 - 148
Benzene	50.0	48.2		ug/Kg		96	70 - 120
Bromodichloromethane	50.0	48.0		ug/Kg		96	67 - 120
Bromoform	50.0	50.7		ug/Kg		101	50 - 129
Bromomethane	50.0	52.5		ug/Kg		105	50 - 134
Carbon disulfide	50.0	46.2		ug/Kg		92	67 - 133
Carbon tetrachloride	50.0	48.6		ug/Kg		97	65 - 123
Chlorobenzene	50.0	47.7		ug/Kg		95	70 - 120
Chloroethane	50.0	48.2		ug/Kg		96	40 - 150
Chloroform	50.0	50.2		ug/Kg		100	70 - 120
Chloromethane	50.0	55.0		ug/Kg		110	63 - 135
cis-1,2-Dichloroethene	50.0	50.1		ug/Kg		100	70 - 120
cis-1,3-Dichloropropene	50.0	45.5		ug/Kg		91	70 - 120
Dibromochloromethane	50.0	48.8		ug/Kg		98	68 - 120
1,1-Dichloroethane	50.0	49.5		ug/Kg		99	70 - 125
1,2-Dichloroethane	50.0	52.2		ug/Kg		104	65 - 126
1,1-Dichloroethene	50.0	47.7		ug/Kg		95	70 - 122
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	70 - 126
Ethylbenzene	50.0	45.7		ug/Kg		91	70 - 120
2-Hexanone	50.0	46.4		ug/Kg		93	51 - 139
Methylene Chloride	50.0	53.4		ug/Kg		107	70 - 121
Methyl Ethyl Ketone	50.0	48.3		ug/Kg		97	47 - 138
methyl isobutyl ketone	50.0	46.3		ug/Kg		93	51 - 141
Methyl tert-butyl ether	50.0	53.4		ug/Kg		107	70 - 121
Styrene	50.0	48.6		ug/Kg		97	70 - 121
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/Kg		101	70 - 125
Tetrachloroethene	50.0	46.0		ug/Kg		92	70 - 122
Toluene	50.0	45.7		ug/Kg		91	70 - 121
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 120
trans-1,3-Dichloropropene	50.0	46.4		ug/Kg		93	70 - 121
1,1,1-Trichloroethane	50.0	50.4		ug/Kg		101	70 - 120
1,1,2-Trichloroethane	50.0	49.3		ug/Kg		99	70 - 120
Trichloroethene	50.0	48.3		ug/Kg		97	70 - 124
Vinyl chloride	50.0	51.5		ug/Kg		103	64 - 125
Xylenes, Total	100	96.7		ug/Kg		97	70 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 120*
Dibromofluoromethane	*111*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*69 - 134*
Toluene-d8 (Surr)	*119*		*75 - 123*

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<24		61.0	59.0		ug/Kg	☼	97	40 - 148

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<6.1	F1	61.0	35.2	F1	ug/Kg	☼	58	70 - 120
Bromodichloromethane	<6.1	F1	61.0	27.8	F1	ug/Kg	☼	46	67 - 120
Bromoform	<6.1	F1	61.0	17.0	F1	ug/Kg	☼	28	50 - 129
Bromomethane	<6.1		61.0	60.2		ug/Kg	☼	99	50 - 134
Carbon disulfide	<6.1	F1	61.0	38.4	F1	ug/Kg	☼	63	67 - 133
Carbon tetrachloride	<6.1	F1	61.0	37.1	F1	ug/Kg	☼	61	65 - 123
Chlorobenzene	<6.1	F1	61.0	21.4	F1	ug/Kg	☼	35	70 - 120
Chloroethane	<6.1		61.0	60.0		ug/Kg	☼	98	40 - 150
Chloroform	<6.1	F1	61.0	38.2	F1	ug/Kg	☼	63	70 - 120
Chloromethane	<6.1		61.0	64.5		ug/Kg	☼	106	63 - 135
cis-1,2-Dichloroethene	<6.1	F1	61.0	36.6	F1	ug/Kg	☼	60	70 - 120
cis-1,3-Dichloropropene	<6.1	F1	61.0	22.0	F1	ug/Kg	☼	36	70 - 120
Dibromochloromethane	<6.1	F1	61.0	20.6	F1	ug/Kg	☼	34	68 - 120
1,1-Dichloroethane	<6.1	F1	61.0	41.5	F1	ug/Kg	☼	68	70 - 125
1,2-Dichloroethane	<6.1	F1	61.0	35.4	F1	ug/Kg	☼	58	65 - 126
1,1-Dichloroethene	<6.1	F1	61.0	40.9	F1	ug/Kg	☼	67	70 - 122
1,2-Dichloropropane	<6.1	F1	61.0	32.2	F1	ug/Kg	☼	53	70 - 126
Ethylbenzene	<6.1	F1	61.0	25.2	F1	ug/Kg	☼	41	70 - 120
2-Hexanone	<6.1	F1	61.0	24.6	F1	ug/Kg	☼	40	51 - 139
Methylene Chloride	<6.1		61.0	50.2		ug/Kg	☼	82	70 - 121
Methyl Ethyl Ketone	<6.1		61.0	40.8		ug/Kg	☼	67	47 - 138
methyl isobutyl ketone	<6.1		61.0	33.0		ug/Kg	☼	54	51 - 141
Methyl tert-butyl ether	<6.1		61.0	50.6		ug/Kg	☼	83	70 - 121
Styrene	<6.1	F1	61.0	18.7	F1	ug/Kg	☼	31	70 - 121
1,1,2,2-Tetrachloroethane	<6.1	F1	61.0	22.2	F1	ug/Kg	☼	36	70 - 125
Tetrachloroethene	<6.1	F1	61.0	27.1	F1	ug/Kg	☼	44	70 - 122
Toluene	<6.1	F1	61.0	27.2	F1	ug/Kg	☼	45	70 - 121
trans-1,2-Dichloroethene	<6.1	F1	61.0	40.2	F1	ug/Kg	☼	66	70 - 120
trans-1,3-Dichloropropene	<6.1	F1	61.0	18.0	F1	ug/Kg	☼	29	70 - 121
1,1,1-Trichloroethane	<6.1	F1	61.0	44.7		ug/Kg	☼	73	70 - 120
1,1,2-Trichloroethane	<6.1	F1	61.0	25.8	F1	ug/Kg	☼	42	70 - 120
Trichloroethene	<6.1	F1	61.0	29.1	F1	ug/Kg	☼	48	70 - 124
Vinyl chloride	<6.1		61.0	57.3		ug/Kg	☼	94	64 - 125
Xylenes, Total	<12	F1	122	50.2	F1	ug/Kg	☼	41	70 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 120*
Dibromofluoromethane	*111*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*69 - 134*
Toluene-d8 (Surr)	*120*		*75 - 123*

Lab Sample ID: 500-109818-10 MSD
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<24		61.0	59.7		ug/Kg	☼	98	40 - 148	1	30
Benzene	<6.1	F1	61.0	33.6	F1	ug/Kg	☼	55	70 - 120	5	30

Method: 8260B - VOC (Continued)

Lab Sample ID: 500-109818-10 MSD
Matrix: Solid
Analysis Batch: 330284

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	<6.1	F1	61.0	26.7	F1	ug/Kg	☼	44	67 - 120	4	30
Bromoform	<6.1	F1	61.0	17.3	F1	ug/Kg	☼	28	50 - 129	2	30
Bromomethane	<6.1		61.0	59.0		ug/Kg	☼	97	50 - 134	2	30
Carbon disulfide	<6.1	F1	61.0	36.8	F1	ug/Kg	☼	60	67 - 133	4	30
Carbon tetrachloride	<6.1	F1	61.0	35.3	F1	ug/Kg	☼	58	65 - 123	5	30
Chlorobenzene	<6.1	F1	61.0	21.7	F1	ug/Kg	☼	36	70 - 120	1	30
Chloroethane	<6.1		61.0	56.2		ug/Kg	☼	92	40 - 150	6	30
Chloroform	<6.1	F1	61.0	36.9	F1	ug/Kg	☼	60	70 - 120	4	30
Chloromethane	<6.1		61.0	62.2		ug/Kg	☼	102	63 - 135	4	30
cis-1,2-Dichloroethene	<6.1	F1	61.0	35.9	F1	ug/Kg	☼	59	70 - 120	2	30
cis-1,3-Dichloropropene	<6.1	F1	61.0	22.1	F1	ug/Kg	☼	36	70 - 120	0	30
Dibromochloromethane	<6.1	F1	61.0	20.9	F1	ug/Kg	☼	34	68 - 120	2	30
1,1-Dichloroethane	<6.1	F1	61.0	40.1	F1	ug/Kg	☼	66	70 - 125	4	30
1,2-Dichloroethane	<6.1	F1	61.0	31.1	F1	ug/Kg	☼	51	65 - 126	13	30
1,1-Dichloroethene	<6.1	F1	61.0	37.2	F1	ug/Kg	☼	61	70 - 122	9	30
1,2-Dichloropropane	<6.1	F1	61.0	30.9	F1	ug/Kg	☼	51	70 - 126	4	30
Ethylbenzene	<6.1	F1	61.0	23.4	F1	ug/Kg	☼	38	70 - 120	7	30
2-Hexanone	<6.1	F1	61.0	24.8	F1	ug/Kg	☼	41	51 - 139	1	30
Methylene Chloride	<6.1		61.0	48.7		ug/Kg	☼	80	70 - 121	3	30
Methyl Ethyl Ketone	<6.1		61.0	39.9		ug/Kg	☼	65	47 - 138	2	30
methyl isobutyl ketone	<6.1		61.0	31.4		ug/Kg	☼	52	51 - 141	5	30
Methyl tert-butyl ether	<6.1		61.0	52.5		ug/Kg	☼	86	70 - 121	4	30
Styrene	<6.1	F1	61.0	19.6	F1	ug/Kg	☼	32	70 - 121	5	30
1,1,2,2-Tetrachloroethane	<6.1	F1	61.0	21.7	F1	ug/Kg	☼	36	70 - 125	2	30
Tetrachloroethene	<6.1	F1	61.0	23.9	F1	ug/Kg	☼	39	70 - 122	12	30
Toluene	<6.1	F1	61.0	25.7	F1	ug/Kg	☼	42	70 - 121	6	30
trans-1,2-Dichloroethene	<6.1	F1	61.0	37.2	F1	ug/Kg	☼	61	70 - 120	8	30
trans-1,3-Dichloropropene	<6.1	F1	61.0	18.1	F1	ug/Kg	☼	30	70 - 121	1	30
1,1,1-Trichloroethane	<6.1	F1	61.0	39.6	F1	ug/Kg	☼	65	70 - 120	12	30
1,1,2-Trichloroethane	<6.1	F1	61.0	24.7	F1	ug/Kg	☼	40	70 - 120	5	30
Trichloroethene	<6.1	F1	61.0	27.2	F1	ug/Kg	☼	45	70 - 124	7	30
Vinyl chloride	<6.1		61.0	54.2		ug/Kg	☼	89	64 - 125	6	30
Xylenes, Total	<12	F1	122	50.1	F1	ug/Kg	☼	41	70 - 123	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 120*
Dibromofluoromethane	*110*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*69 - 134*
Toluene-d8 (Surr)	*117*		*75 - 123*

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

Lab Sample ID: MB 500-330201/1-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<170		170	36	ug/Kg		04/07/16 16:56	04/08/16 12:09	1

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

Lab Sample ID: MB 500-330201/1-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<170		170	40	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
1,3-Dichlorobenzene	<170		170	37	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
1,4-Dichlorobenzene	<170		170	43	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,2'-oxybis[1-chloropropane]	<170		170	39	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4,5-Trichlorophenol	<330		330	76	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4,6-Trichlorophenol	<330		330	110	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4-Dichlorophenol	<330		330	79	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4-Dimethylphenol	<330		330	130	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4-Dinitrophenol	<670		670	590	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,4-Dinitrotoluene	<170		170	53	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2,6-Dinitrotoluene	<170		170	65	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Chloronaphthalene	<170		170	37	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Chlorophenol	<170		170	57	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Methylnaphthalene	<33		33	6.1	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Methylphenol	<170		170	53	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Nitroaniline	<170		170	45	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
2-Nitrophenol	<330		330	79	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
3 & 4 Methylphenol	<170		170	55	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
3,3'-Dichlorobenzidine	<170		170	47	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
3-Nitroaniline	<330		330	100	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4,6-Dinitro-2-methylphenol	<670		670	270	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Bromophenyl phenyl ether	<170		170	44	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Chloro-3-methylphenol	<330		330	110	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Chloroaniline	<670		670	160	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Chlorophenyl phenyl ether	<170		170	39	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Nitroaniline	<330		330	140	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
4-Nitrophenol	<670		670	320	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Acenaphthene	<33		33	6.0	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Acenaphthylene	<33		33	4.4	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Anthracene	<33		33	5.6	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Benzo[a]anthracene	<33		33	4.5	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Benzo[a]pyrene	<33		33	6.4	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Benzo[b]fluoranthene	<33		33	7.2	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Benzo[g,h,i]perylene	<33		33	11	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Benzo[k]fluoranthene	<33		33	9.8	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Bis(2-chloroethoxy)methane	<170		170	34	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Bis(2-chloroethyl)ether	<170		170	50	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Bis(2-ethylhexyl) phthalate	<170		170	61	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Butyl benzyl phthalate	<170		170	63	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Carbazole	<170		170	83	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Chrysene	<33		33	9.1	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Dibenz(a,h)anthracene	<33		33	6.4	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Dibenzofuran	<170		170	39	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Diethyl phthalate	<170		170	56	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Dimethyl phthalate	<170		170	43	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Di-n-butyl phthalate	<170		170	51	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Di-n-octyl phthalate	<170		170	54	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Fluoranthene	<33		33	6.2	ug/Kg		04/07/16 16:56	04/08/16 12:09	1

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

Lab Sample ID: MB 500-330201/1-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<33		33	4.7	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Hexachlorobenzene	<67		67	7.7	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Hexachlorobutadiene	<170		170	52	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Hexachlorocyclopentadiene	<670		670	190	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Hexachloroethane	<170		170	51	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Indeno[1,2,3-cd]pyrene	<33		33	8.6	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Isophorone	<170		170	37	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Naphthalene	<33		33	5.1	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Nitrobenzene	<33		33	8.3	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
N-Nitrosodi-n-propylamine	<67		67	41	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
N-Nitrosodiphenylamine	<170		170	39	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Pentachlorophenol	<670		670	530	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Phenanthrene	<33		33	4.6	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Phenol	<170		170	74	ug/Kg		04/07/16 16:56	04/08/16 12:09	1
Pyrene	<33		33	6.6	ug/Kg		04/07/16 16:56	04/08/16 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*25 - 130*	*04/07/16 16:56*	*04/08/16 12:09*	*1*
2-Fluorobiphenyl	*95*		*42 - 115*	*04/07/16 16:56*	*04/08/16 12:09*	*1*
2-Fluorophenol	*84*		*40 - 130*	*04/07/16 16:56*	*04/08/16 12:09*	*1*
Nitrobenzene-d5	*70*		*33 - 124*	*04/07/16 16:56*	*04/08/16 12:09*	*1*
Phenol-d5	*82*		*36 - 123*	*04/07/16 16:56*	*04/08/16 12:09*	*1*
Terphenyl-d14	*92*		*25 - 150*	*04/07/16 16:56*	*04/08/16 12:09*	*1*

Lab Sample ID: LCS 500-330201/2-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1330	1010		ug/Kg		76	60 - 116
1,2-Dichlorobenzene	1330	919		ug/Kg		69	56 - 110
1,3-Dichlorobenzene	1330	896		ug/Kg		67	56 - 110
1,4-Dichlorobenzene	1330	926		ug/Kg		69	57 - 110
2,2'-oxybis[1-chloropropane]	1330	708		ug/Kg		53	22 - 133
2,4,5-Trichlorophenol	1330	1130		ug/Kg		85	42 - 119
2,4,6-Trichlorophenol	1330	1180		ug/Kg		88	50 - 120
2,4-Dichlorophenol	1330	1070		ug/Kg		80	61 - 116
2,4-Dimethylphenol	1330	983		ug/Kg		74	50 - 120
2,4-Dinitrophenol	2670	<670		ug/Kg		18	10 - 110
2,4-Dinitrotoluene	1330	1170		ug/Kg		88	59 - 119
2,6-Dinitrotoluene	1330	1190		ug/Kg		89	57 - 118
2-Chloronaphthalene	1330	1110		ug/Kg		83	57 - 112
2-Chlorophenol	1330	958		ug/Kg		72	57 - 117
2-Methylnaphthalene	1330	992		ug/Kg		74	55 - 120
2-Methylphenol	1330	943		ug/Kg		71	53 - 123
2-Nitroaniline	1330	1000		ug/Kg		75	52 - 121
2-Nitrophenol	1330	1070		ug/Kg		80	58 - 121
3 & 4 Methylphenol	1330	940		ug/Kg		70	55 - 124

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

Lab Sample ID: LCS 500-330201/2-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	1330	1080		ug/Kg		81	40 - 110
3-Nitroaniline	1330	1420		ug/Kg		107	20 - 144
4,6-Dinitro-2-methylphenol	2670	391	J	ug/Kg		15	10 - 110
4-Bromophenyl phenyl ether	1330	1080		ug/Kg		81	61 - 124
4-Chloro-3-methylphenol	1330	1020		ug/Kg		76	59 - 117
4-Chloroaniline	1330	1270		ug/Kg		95	10 - 150
4-Chlorophenyl phenyl ether	1330	1130		ug/Kg		85	61 - 111
4-Nitroaniline	1330	1360		ug/Kg		102	55 - 146
4-Nitrophenol	2670	1980		ug/Kg		74	32 - 123
Acenaphthene	1330	1030		ug/Kg		77	52 - 113
Acenaphthylene	1330	1120		ug/Kg		84	57 - 116
Anthracene	1330	1020		ug/Kg		76	57 - 118
Benzo[a]anthracene	1330	1010		ug/Kg		76	63 - 115
Benzo[a]pyrene	1330	1160		ug/Kg		87	64 - 122
Benzo[b]fluoranthene	1330	1100		ug/Kg		83	61 - 123
Benzo[g,h,i]perylene	1330	1160		ug/Kg		87	55 - 134
Benzo[k]fluoranthene	1330	1130		ug/Kg		85	59 - 125
Bis(2-chloroethoxy)methane	1330	932		ug/Kg		70	59 - 116
Bis(2-chloroethyl)ether	1330	906		ug/Kg		68	53 - 116
Bis(2-ethylhexyl) phthalate	1330	974		ug/Kg		73	62 - 117
Butyl benzyl phthalate	1330	962		ug/Kg		72	61 - 115
Carbazole	1330	1380		ug/Kg		104	65 - 137
Chrysene	1330	1030		ug/Kg		77	63 - 118
Dibenz(a,h)anthracene	1330	1220		ug/Kg		92	61 - 134
Dibenzofuran	1330	1120		ug/Kg		84	59 - 110
Diethyl phthalate	1330	1120		ug/Kg		84	58 - 117
Dimethyl phthalate	1330	1100		ug/Kg		82	60 - 112
Di-n-butyl phthalate	1330	1000		ug/Kg		75	61 - 123
Di-n-octyl phthalate	1330	996		ug/Kg		75	58 - 129
Fluoranthene	1330	1050		ug/Kg		79	61 - 124
Fluorene	1330	1110		ug/Kg		83	56 - 115
Hexachlorobenzene	1330	1070		ug/Kg		81	62 - 126
Hexachlorobutadiene	1330	1000		ug/Kg		75	56 - 120
Hexachlorocyclopentadiene	1330	940		ug/Kg		70	10 - 116
Hexachloroethane	1330	884		ug/Kg		66	54 - 111
Indeno[1,2,3-cd]pyrene	1330	1210		ug/Kg		91	50 - 149
Isophorone	1330	844		ug/Kg		63	54 - 120
Naphthalene	1330	959		ug/Kg		72	58 - 116
Nitrobenzene	1330	862		ug/Kg		65	56 - 121
N-Nitrosodi-n-propylamine	1330	912		ug/Kg		68	56 - 119
N-Nitrosodiphenylamine	1330	1100		ug/Kg		82	62 - 117
Pentachlorophenol	2670	1180		ug/Kg		44	12 - 116
Phenanthrene	1330	1060		ug/Kg		79	58 - 125
Phenol	1330	868		ug/Kg		65	55 - 118
Pyrene	1330	1020		ug/Kg		77	60 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*88*		*25 - 130*

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

Lab Sample ID: LCS 500-330201/2-A
Matrix: Solid
Analysis Batch: 330269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330201

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*42 - 115*
2-Fluorophenol	*75*		*40 - 130*
Nitrobenzene-d5	*68*		*33 - 124*
Phenol-d5	*72*		*36 - 123*
Terphenyl-d14	*81*		*25 - 150*

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330772

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	<200		1520	993		ug/Kg	☼	65	60 - 116
1,2-Dichlorobenzene	<200		1520	884		ug/Kg	☼	58	56 - 110
1,3-Dichlorobenzene	<200		1520	893		ug/Kg	☼	59	56 - 110
1,4-Dichlorobenzene	<200		1520	881		ug/Kg	☼	58	57 - 110
2,2'-oxybis[1-chloropropane]	<200		1520	912		ug/Kg	☼	60	22 - 133
2,4,5-Trichlorophenol	<390		1520	1630		ug/Kg	☼	107	42 - 119
2,4,6-Trichlorophenol	<390		1520	1330		ug/Kg	☼	87	50 - 120
2,4-Dichlorophenol	<390		1520	1180		ug/Kg	☼	78	61 - 116
2,4-Dimethylphenol	<390		1520	982		ug/Kg	☼	64	50 - 120
2,4-Dinitrophenol	<790		3040	877		ug/Kg	☼	29	10 - 110
2,4-Dinitrotoluene	<200		1520	1450		ug/Kg	☼	96	59 - 119
2,6-Dinitrotoluene	<200		1520	1430		ug/Kg	☼	94	57 - 118
2-Chloronaphthalene	<200		1520	1300		ug/Kg	☼	85	57 - 112
2-Chlorophenol	<200		1520	1040		ug/Kg	☼	68	57 - 117
2-Methylnaphthalene	14	J	1520	1060		ug/Kg	☼	69	55 - 120
2-Methylphenol	<200		1520	923		ug/Kg	☼	61	53 - 123
2-Nitroaniline	<200		1520	1420		ug/Kg	☼	93	52 - 121
2-Nitrophenol	<390		1520	1030		ug/Kg	☼	68	58 - 121
3 & 4 Methylphenol	<200		1520	1060		ug/Kg	☼	70	55 - 124
3,3'-Dichlorobenzidine	<200	F2 F1	1520	220	F1	ug/Kg	☼	14	40 - 110
3-Nitroaniline	<390		1520	1520		ug/Kg	☼	100	20 - 144
4,6-Dinitro-2-methylphenol	<790		3040	806		ug/Kg	☼	26	10 - 110
4-Bromophenyl phenyl ether	<200		1520	1310		ug/Kg	☼	86	61 - 124
4-Chloro-3-methylphenol	<390		1520	960		ug/Kg	☼	63	59 - 117
4-Chloroaniline	<790		1520	778		ug/Kg	☼	51	10 - 150
4-Chlorophenyl phenyl ether	<200		1520	1500		ug/Kg	☼	99	61 - 111
4-Nitroaniline	<390	F1	1520	2320	F1	ug/Kg	☼	153	55 - 146
4-Nitrophenol	<790	F2	3040	972		ug/Kg	☼	32	32 - 123
Acenaphthene	<39		1520	1320		ug/Kg	☼	87	52 - 113
Acenaphthylene	7.9	J	1520	1290		ug/Kg	☼	84	57 - 116
Anthracene	10	J	1520	1360		ug/Kg	☼	89	57 - 118
Benzo[a]anthracene	46		1520	1360		ug/Kg	☼	86	63 - 115
Benzo[a]pyrene	53		1520	1470		ug/Kg	☼	93	64 - 122
Benzo[b]fluoranthene	80		1520	1920		ug/Kg	☼	121	61 - 123
Benzo[g,h,i]perylene	27	J F1	1520	642	F1	ug/Kg	☼	40	55 - 134
Benzo[k]fluoranthene	30	J	1520	1680		ug/Kg	☼	108	59 - 125
Bis(2-chloroethoxy)methane	<200		1520	1000		ug/Kg	☼	66	59 - 116

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

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330772

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	<200		1520	933		ug/Kg	☼	61	53 - 116
Bis(2-ethylhexyl) phthalate	<200		1520	1430		ug/Kg	☼	94	62 - 117
Butyl benzyl phthalate	<200		1520	1360		ug/Kg	☼	90	61 - 115
Carbazole	<200		1520	1700		ug/Kg	☼	112	65 - 137
Chrysene	65		1520	1450		ug/Kg	☼	91	63 - 118
Dibenz(a,h)anthracene	<39	F1	1520	833	F1	ug/Kg	☼	55	61 - 134
Dibenzofuran	<200		1520	1370		ug/Kg	☼	90	59 - 110
Diethyl phthalate	<200		1520	1540		ug/Kg	☼	101	58 - 117
Dimethyl phthalate	<200		1520	1440		ug/Kg	☼	95	60 - 112
Di-n-butyl phthalate	<200		1520	1410		ug/Kg	☼	93	61 - 123
Di-n-octyl phthalate	<200		1520	1560		ug/Kg	☼	103	58 - 129
Fluoranthene	77		1520	1570		ug/Kg	☼	98	61 - 124
Fluorene	<39		1520	1510		ug/Kg	☼	99	56 - 115
Hexachlorobenzene	<79		1520	1420		ug/Kg	☼	94	62 - 126
Hexachlorobutadiene	<200		1520	1010		ug/Kg	☼	67	56 - 120
Hexachlorocyclopentadiene	<790	F1	1520	<760	F1	ug/Kg	☼	0	10 - 116
Hexachloroethane	<200	F1	1520	654	F1	ug/Kg	☼	43	54 - 111
Indeno[1,2,3-cd]pyrene	21	J	1520	835		ug/Kg	☼	54	50 - 149
Isophorone	<200		1520	980		ug/Kg	☼	64	54 - 120
Naphthalene	10	J	1520	1040		ug/Kg	☼	68	58 - 116
Nitrobenzene	<39		1520	1030		ug/Kg	☼	67	56 - 121
N-Nitrosodi-n-propylamine	<79		1520	1060		ug/Kg	☼	70	56 - 119
N-Nitrosodiphenylamine	<200		1520	1360		ug/Kg	☼	89	62 - 117
Pentachlorophenol	<790		3040	1460		ug/Kg	☼	48	12 - 116
Phenanthrene	57		1520	1460		ug/Kg	☼	92	58 - 125
Phenol	<200		1520	1020		ug/Kg	☼	67	55 - 118
Pyrene	85		1520	1450		ug/Kg	☼	90	60 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*96*		*25 - 130*
2-Fluorobiphenyl	*86*		*42 - 115*
2-Fluorophenol	*70*		*40 - 130*
Nitrobenzene-d5	*73*		*33 - 124*
Phenol-d5	*77*		*36 - 123*
Terphenyl-d14	*97*		*25 - 150*

Lab Sample ID: 500-109818-1 MSD
Matrix: Solid
Analysis Batch: 330772

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	<200		1490	1200		ug/Kg	☼	80	60 - 116	18	30
1,2-Dichlorobenzene	<200		1490	1140		ug/Kg	☼	77	56 - 110	26	30
1,3-Dichlorobenzene	<200		1490	1160		ug/Kg	☼	78	56 - 110	26	30
1,4-Dichlorobenzene	<200		1490	1110		ug/Kg	☼	75	57 - 110	23	30
2,2'-oxybis[1-chloropropane]	<200		1490	1060		ug/Kg	☼	71	22 - 133	15	30
2,4,5-Trichlorophenol	<390		1490	1510		ug/Kg	☼	102	42 - 119	7	30
2,4,6-Trichlorophenol	<390		1490	1260		ug/Kg	☼	85	50 - 120	5	30

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

Lab Sample ID: 500-109818-1 MSD
Matrix: Solid
Analysis Batch: 330772

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	<390		1490	1270		ug/Kg	☼	85	61 - 116	7	30
2,4-Dimethylphenol	<390		1490	1060		ug/Kg	☼	71	50 - 120	8	30
2,4-Dinitrophenol	<790		2980	793		ug/Kg	☼	27	10 - 110	10	30
2,4-Dinitrotoluene	<200		1490	1440		ug/Kg	☼	96	59 - 119	1	30
2,6-Dinitrotoluene	<200		1490	1460		ug/Kg	☼	98	57 - 118	2	30
2-Chloronaphthalene	<200		1490	1390		ug/Kg	☼	93	57 - 112	7	30
2-Chlorophenol	<200		1490	1180		ug/Kg	☼	79	57 - 117	13	30
2-Methylnaphthalene	14	J	1490	1200		ug/Kg	☼	80	55 - 120	12	30
2-Methylphenol	<200		1490	1040		ug/Kg	☼	70	53 - 123	12	30
2-Nitroaniline	<200		1490	1430		ug/Kg	☼	96	52 - 121	1	30
2-Nitrophenol	<390		1490	1220		ug/Kg	☼	82	58 - 121	16	30
3 & 4 Methylphenol	<200		1490	1130		ug/Kg	☼	76	55 - 124	7	30
3,3'-Dichlorobenzidine	<200	F2 F1	1490	314	F1 F2	ug/Kg	☼	21	40 - 110	35	30
3-Nitroaniline	<390		1490	1470		ug/Kg	☼	98	20 - 144	4	30
4,6-Dinitro-2-methylphenol	<790		2980	720	J	ug/Kg	☼	24	10 - 110	11	30
4-Bromophenyl phenyl ether	<200		1490	1280		ug/Kg	☼	86	61 - 124	2	30
4-Chloro-3-methylphenol	<390		1490	1000		ug/Kg	☼	67	59 - 117	4	30
4-Chloroaniline	<790		1490	818		ug/Kg	☼	55	10 - 150	5	30
4-Chlorophenyl phenyl ether	<200		1490	1520		ug/Kg	☼	102	61 - 111	1	30
4-Nitroaniline	<390	F1	1490	2280	F1	ug/Kg	☼	153	55 - 146	2	30
4-Nitrophenol	<790	F2	2980	1620	F2	ug/Kg	☼	54	32 - 123	50	30
Acenaphthene	<39		1490	1400		ug/Kg	☼	94	52 - 113	6	30
Acenaphthylene	7.9	J	1490	1370		ug/Kg	☼	92	57 - 116	6	30
Anthracene	10	J	1490	1350		ug/Kg	☼	90	57 - 118	1	30
Benzo[a]anthracene	46		1490	1350		ug/Kg	☼	88	63 - 115	0	30
Benzo[a]pyrene	53		1490	1420		ug/Kg	☼	92	64 - 122	3	30
Benzo[b]fluoranthene	80		1490	1870		ug/Kg	☼	120	61 - 123	3	30
Benzo[g,h,i]perylene	27	J F1	1490	633	F1	ug/Kg	☼	41	55 - 134	2	30
Benzo[k]fluoranthene	30	J	1490	1670		ug/Kg	☼	110	59 - 125	1	30
Bis(2-chloroethoxy)methane	<200		1490	1150		ug/Kg	☼	78	59 - 116	14	30
Bis(2-chloroethyl)ether	<200		1490	1130		ug/Kg	☼	76	53 - 116	19	30
Bis(2-ethylhexyl) phthalate	<200		1490	1410		ug/Kg	☼	95	62 - 117	1	30
Butyl benzyl phthalate	<200		1490	1350		ug/Kg	☼	91	61 - 115	1	30
Carbazole	<200		1490	1690		ug/Kg	☼	114	65 - 137	1	30
Chrysene	65		1490	1390		ug/Kg	☼	89	63 - 118	4	30
Dibenz(a,h)anthracene	<39	F1	1490	834	F1	ug/Kg	☼	56	61 - 134	0	30
Dibenzofuran	<200		1490	1420		ug/Kg	☼	96	59 - 110	4	30
Diethyl phthalate	<200		1490	1520		ug/Kg	☼	102	58 - 117	1	30
Dimethyl phthalate	<200		1490	1450		ug/Kg	☼	98	60 - 112	1	30
Di-n-butyl phthalate	<200		1490	1410		ug/Kg	☼	95	61 - 123	0	30
Di-n-octyl phthalate	<200		1490	1520		ug/Kg	☼	102	58 - 129	3	30
Fluoranthene	77		1490	1560		ug/Kg	☼	100	61 - 124	1	30
Fluorene	<39		1490	1500		ug/Kg	☼	101	56 - 115	1	30
Hexachlorobenzene	<79		1490	1380		ug/Kg	☼	93	62 - 126	3	30
Hexachlorobutadiene	<200		1490	1250		ug/Kg	☼	84	56 - 120	21	30
Hexachlorocyclopentadiene	<790	F1	1490	<750	F1	ug/Kg	☼	0	10 - 116	NC	30
Hexachloroethane	<200	F1	1490	856		ug/Kg	☼	57	54 - 111	27	30
Indeno[1,2,3-cd]pyrene	21	J	1490	821		ug/Kg	☼	54	50 - 149	2	30

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

Lab Sample ID: 500-109818-1 MSD
Matrix: Solid
Analysis Batch: 330772

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isophorone	<200		1490	1130		ug/Kg	☼	76	54 - 120	14	30
Naphthalene	10	J	1490	1250		ug/Kg	☼	83	58 - 116	18	30
Nitrobenzene	<39		1490	1160		ug/Kg	☼	78	56 - 121	12	30
N-Nitrosodi-n-propylamine	<79		1490	1200		ug/Kg	☼	81	56 - 119	12	30
N-Nitrosodiphenylamine	<200		1490	1350		ug/Kg	☼	91	62 - 117	0	30
Pentachlorophenol	<790		2980	1130		ug/Kg	☼	38	12 - 116	25	30
Phenanthrene	57		1490	1420		ug/Kg	☼	92	58 - 125	3	30
Phenol	<200		1490	1140		ug/Kg	☼	77	55 - 118	11	30
Pyrene	85		1490	1440		ug/Kg	☼	91	60 - 115	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*84*		*25 - 130*
2-Fluorobiphenyl	*93*		*42 - 115*
2-Fluorophenol	*80*		*40 - 130*
Nitrobenzene-d5	*80*		*33 - 124*
Phenol-d5	*86*		*36 - 123*
Terphenyl-d14	*103*		*25 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-330337/2-A
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0934		mg/L		93	80 - 120
Barium	0.500	0.478	J	mg/L		96	80 - 120
Beryllium	0.0500	0.0467		mg/L		93	80 - 120
Cadmium	0.0500	0.0455		mg/L		91	80 - 120
Chromium	0.200	0.186		mg/L		93	80 - 120
Cobalt	0.500	0.483		mg/L		97	80 - 120
Copper	0.250	0.241		mg/L		96	80 - 120
Iron	1.00	1.01		mg/L		101	80 - 120
Lead	0.100	0.0953		mg/L		95	80 - 120
Manganese	0.500	0.470		mg/L		94	80 - 120
Nickel	0.500	0.473		mg/L		95	80 - 120
Selenium	0.100	0.0873		mg/L		87	80 - 120
Silver	0.0500	0.0459		mg/L		92	80 - 120
Zinc	0.500	0.463	J	mg/L		93	80 - 120

Lab Sample ID: LCS 500-330338/2-A
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0965		mg/L		96	80 - 120
Barium	0.500	0.498	J	mg/L		100	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120

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

Lab Sample ID: LCS 500-330338/2-A
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Copper	0.250	0.251		mg/L		100	80 - 120
Iron	1.00	1.03		mg/L		103	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Manganese	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.493		mg/L		99	80 - 120
Selenium	0.100	0.0924		mg/L		92	80 - 120
Silver	0.0500	0.0497		mg/L		99	80 - 120
Zinc	0.500	0.493	J	mg/L		99	80 - 120

Lab Sample ID: LB 500-330172/1-C
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 330337

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:19	04/09/16 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:19	04/09/16 16:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:19	04/09/16 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:19	04/09/16 16:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:19	04/09/16 16:34	1
Manganese	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:19	04/09/16 16:34	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:19	04/09/16 16:34	1
Zinc	0.0257	J	0.50	0.020	mg/L		04/08/16 14:19	04/09/16 16:34	1

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: TCLP
Prep Batch: 330337

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.050		0.100	0.112		mg/L		112	50 - 150
Barium	0.44	J	0.500	0.960		mg/L		103	50 - 150
Beryllium	<0.0040		0.0500	0.0475		mg/L		95	50 - 150
Cadmium	<0.0050		0.0500	0.0530		mg/L		106	50 - 150
Chromium	<0.025		0.200	0.186		mg/L		93	50 - 150
Cobalt	0.010	J	0.500	0.529		mg/L		104	50 - 150
Copper	<0.025		0.250	0.276		mg/L		110	50 - 150
Iron	<0.40		1.00	1.28		mg/L		128	50 - 150
Lead	<0.0075		0.100	0.0997		mg/L		100	50 - 150
Manganese	1.9		0.500	2.45		mg/L		102	50 - 150
Nickel	0.018	J	0.500	0.517		mg/L		100	50 - 150
Selenium	<0.050		0.100	0.111		mg/L		111	50 - 150

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

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: TCLP
Prep Batch: 330337

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	<0.025		0.0500	0.0538		mg/L		108	50 - 150
Zinc	0.027	J B	0.500	0.518		mg/L		98	50 - 150

Lab Sample ID: 500-109818-10 DU
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: TCLP
Prep Batch: 330337

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	0.44	J	0.433	J	mg/L		2	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	0.010	J	0.0103	J	mg/L		2	20
Copper	<0.025		<0.025		mg/L		NC	20
Iron	<0.40		<0.40		mg/L		NC	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Manganese	1.9		1.89		mg/L		3	20
Nickel	0.018	J	0.0165	J	mg/L		7	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	0.027	J B	0.0264	J	mg/L		2	20

Lab Sample ID: LB 500-330176/1-C
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 330338

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Barium	<0.50		0.50	0.050	mg/L		04/08/16 14:22	04/09/16 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/16 14:22	04/09/16 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/16 14:22	04/09/16 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Copper	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Iron	<0.40		0.40	0.20	mg/L		04/08/16 14:22	04/09/16 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/16 14:22	04/09/16 21:20	1
Manganese	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/08/16 14:22	04/09/16 21:20	1
Silver	<0.025		0.025	0.010	mg/L		04/08/16 14:22	04/09/16 21:20	1
Zinc	<0.50		0.50	0.020	mg/L		04/08/16 14:22	04/09/16 21:20	1

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: SPLP East
Prep Batch: 330338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.050		0.100	0.103		mg/L		103	50 - 150

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

Lab Sample ID: 500-109818-10 MS
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: SPLP East
Prep Batch: 330338

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	<0.50		0.500	0.578		mg/L		116	50 - 150
Beryllium	<0.0040		0.0500	0.0516		mg/L		103	50 - 150
Cadmium	<0.0050		0.0500	0.0496		mg/L		99	50 - 150
Chromium	0.013	J	0.200	0.223		mg/L		105	50 - 150
Cobalt	<0.025		0.500	0.506		mg/L		101	50 - 150
Copper	<0.025		0.250	0.268		mg/L		107	50 - 150
Iron	10		1.00	17.1	4	mg/L		671	50 - 150
Lead	<0.0075		0.100	0.108		mg/L		108	50 - 150
Manganese	0.070		0.500	0.612		mg/L		108	50 - 150
Nickel	0.012	J	0.500	0.514		mg/L		100	50 - 150
Selenium	<0.050		0.100	0.0959		mg/L		96	50 - 150
Silver	<0.025		0.0500	0.0507		mg/L		101	50 - 150
Zinc	0.038	J	0.500	0.531		mg/L		99	50 - 150

Lab Sample ID: 500-109818-10 DU
Matrix: Solid
Analysis Batch: 330545

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: SPLP East
Prep Batch: 330338

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	<0.50		<0.50		mg/L		NC	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	0.013	J	0.0133	J	mg/L		2	20
Cobalt	<0.025		<0.025		mg/L		NC	20
Copper	<0.025		<0.025		mg/L		NC	20
Iron	10		10.2		mg/L		1	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Manganese	0.070		0.0689		mg/L		2	20
Nickel	0.012	J	0.0117	J	mg/L		5	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	0.038	J	0.0360	J	mg/L		6	20

Method: 6010B - Total Metals

Lab Sample ID: MB 500-330194/1-A
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<2.0		2.0	0.42	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Arsenic	<1.0		1.0	0.46	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Barium	<1.0		1.0	0.18	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Beryllium	<0.40		0.40	0.087	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Cadmium	<0.20		0.20	0.058	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Calcium	<20		20	6.4	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Chromium	0.346	J	1.0	0.17	mg/Kg		04/07/16 16:06	04/08/16 15:06	1

Method: 6010B - Total Metals (Continued)

Lab Sample ID: MB 500-330194/1-A
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.50		0.50	0.11	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Copper	<1.0		1.0	0.22	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Iron	<20		20	7.7	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Lead	<0.50		0.50	0.25	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Magnesium	<10		10	4.1	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Manganese	<1.0		1.0	0.20	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Nickel	<1.0		1.0	0.27	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Potassium	<50		50	8.2	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Selenium	<1.0		1.0	0.50	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Silver	<0.50		0.50	0.12	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Sodium	<100		100	13	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Thallium	<1.0		1.0	0.49	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Vanadium	<0.50		0.50	0.15	mg/Kg		04/07/16 16:06	04/08/16 15:06	1
Zinc	<2.0		2.0	0.63	mg/Kg		04/07/16 16:06	04/08/16 15:06	1

Lab Sample ID: LCS 500-330194/2-A
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.5		mg/Kg		97	80 - 120
Arsenic	10.0	9.86		mg/Kg		99	80 - 120
Barium	200	195		mg/Kg		97	80 - 120
Beryllium	5.00	4.94		mg/Kg		99	80 - 120
Cadmium	5.00	4.89		mg/Kg		98	80 - 120
Calcium	1000	983		mg/Kg		98	80 - 120
Chromium	20.0	20.4		mg/Kg		102	80 - 120
Cobalt	50.0	50.9		mg/Kg		102	80 - 120
Copper	25.0	25.4		mg/Kg		102	80 - 120
Iron	100	113		mg/Kg		113	80 - 120
Lead	10.0	10.0		mg/Kg		100	80 - 120
Magnesium	1000	978		mg/Kg		98	80 - 120
Manganese	50.0	49.2		mg/Kg		98	80 - 120
Nickel	50.0	50.5		mg/Kg		101	80 - 120
Potassium	1000	970		mg/Kg		97	80 - 120
Selenium	10.0	8.76		mg/Kg		88	80 - 120
Silver	5.00	4.86		mg/Kg		97	80 - 120
Sodium	1000	985		mg/Kg		98	80 - 120
Thallium	10.0	9.51		mg/Kg		95	80 - 120
Vanadium	50.0	51.5		mg/Kg		103	80 - 120
Zinc	50.0	49.7		mg/Kg		99	80 - 120

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.44	J F1	28.7	6.02	F1	mg/Kg	☼	19	75 - 125
Arsenic	9.6		5.74	14.2		mg/Kg	☼	80	75 - 125

Method: 6010B - Total Metals (Continued)

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	44		115	138		mg/Kg	☼	83	75 - 125
Beryllium	0.65		2.87	3.17		mg/Kg	☼	88	75 - 125
Cadmium	0.076	J	2.87	2.43		mg/Kg	☼	82	75 - 125
Chromium	17	B	11.5	27.4		mg/Kg	☼	93	75 - 125
Cobalt	18		28.7	44.8		mg/Kg	☼	94	75 - 125
Copper	28		14.3	39.0		mg/Kg	☼	78	75 - 125
Iron	21000		57.4	21200	4	mg/Kg	☼	-55	75 - 125
Lead	26		5.74	25.9	4	mg/Kg	☼	-10	75 - 125
Magnesium	21000		574	21200	4	mg/Kg	☼	-23	75 - 125
Manganese	560		28.7	388	4	mg/Kg	☼	-612	75 - 125
Nickel	42	F1	28.7	63.0	F1	mg/Kg	☼	72	75 - 125
Potassium	2300		574	3610	4	mg/Kg	☼	228	75 - 125
Selenium	0.50	J F1	5.74	4.57	F1	mg/Kg	☼	71	75 - 125
Silver	<0.28		2.87	2.53		mg/Kg	☼	88	75 - 125
Sodium	120		574	637		mg/Kg	☼	90	75 - 125
Thallium	<0.56		5.74	5.16		mg/Kg	☼	90	75 - 125
Vanadium	20		28.7	48.3		mg/Kg	☼	98	75 - 125
Zinc	79		28.7	101		mg/Kg	☼	75	75 - 125

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330551

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	53000	B	574	55100	4	mg/Kg	☼	324	75 - 125

Lab Sample ID: 500-109818-1 MSD
Matrix: Solid
Analysis Batch: 330430

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.44	J F1	27.4	5.70	F1	mg/Kg	☼	19	75 - 125	5	20
Arsenic	9.6		5.47	14.1		mg/Kg	☼	82	75 - 125	1	20
Barium	44		109	144		mg/Kg	☼	92	75 - 125	4	20
Beryllium	0.65		2.74	3.13		mg/Kg	☼	91	75 - 125	1	20
Cadmium	0.076	J	2.74	2.41		mg/Kg	☼	85	75 - 125	1	20
Chromium	17	B	10.9	27.8		mg/Kg	☼	101	75 - 125	1	20
Cobalt	18		27.4	43.9		mg/Kg	☼	95	75 - 125	2	20
Copper	28		13.7	38.1		mg/Kg	☼	75	75 - 125	2	20
Iron	21000		54.7	20800	4	mg/Kg	☼	-807	75 - 125	2	20
Lead	26		5.47	29.3	4	mg/Kg	☼	53	75 - 125	13	20
Magnesium	21000		547	25400	4	mg/Kg	☼	732	75 - 125	18	20
Manganese	560		27.4	451	4	mg/Kg	☼	-411	75 - 125	15	20
Nickel	42	F1	27.4	63.3		mg/Kg	☼	77	75 - 125	0	20
Potassium	2300		547	3890	4	mg/Kg	☼	290	75 - 125	7	20
Selenium	0.50	J F1	5.47	4.56	F1	mg/Kg	☼	74	75 - 125	0	20
Silver	<0.28		2.74	2.48		mg/Kg	☼	90	75 - 125	2	20
Sodium	120		547	649		mg/Kg	☼	97	75 - 125	2	20
Thallium	<0.56		5.47	5.14		mg/Kg	☼	94	75 - 125	0	20

Method: 6010B - Total Metals (Continued)

Lab Sample ID: 500-109818-1 MSD — **Client Sample ID: IHB-2(0-4)-040616**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 330430 — **Prep Batch: 330194**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	20		27.4	48.2		mg/Kg	☼	103	75 - 125	0	20
Zinc	79		27.4	105		mg/Kg	☼	96	75 - 125	5	20

Lab Sample ID: 500-109818-1 MSD — **Client Sample ID: IHB-2(0-4)-040616**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 330551 — **Prep Batch: 330194**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	53000	B	547	65400	4	mg/Kg	☼	2214	75 - 125	17	20

Lab Sample ID: 500-109818-1 DU — **Client Sample ID: IHB-2(0-4)-040616**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 330430 — **Prep Batch: 330194**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.44	J F1	0.560	J F5	mg/Kg	☼	25	20
Arsenic	9.6		9.24		mg/Kg	☼	4	20
Barium	44		42.7		mg/Kg	☼	2	20
Beryllium	0.65		0.627		mg/Kg	☼	4	20
Cadmium	0.076	J	0.0458	J F5	mg/Kg	☼	50	20
Chromium	17	B	16.4		mg/Kg	☼	3	20
Cobalt	18		14.0	F3	mg/Kg	☼	25	20
Copper	28		25.9		mg/Kg	☼	7	20
Iron	21000		20700		mg/Kg	☼	3	20
Lead	26		19.8	F3	mg/Kg	☼	29	20
Magnesium	21000		22000		mg/Kg	☼	3	20
Manganese	560		391	F3	mg/Kg	☼	36	20
Nickel	42	F1	35.4		mg/Kg	☼	18	20
Potassium	2300		2280		mg/Kg	☼	0.9	20
Selenium	0.50	J F1	0.395	J F5	mg/Kg	☼	23	20
Silver	<0.28		<0.29		mg/Kg	☼	NC	20
Sodium	120		126		mg/Kg	☼	5	20
Thallium	<0.56		<0.59		mg/Kg	☼	NC	20
Vanadium	20		19.8		mg/Kg	☼	1	20
Zinc	79		72.6		mg/Kg	☼	8	20

Lab Sample ID: 500-109818-1 DU — **Client Sample ID: IHB-2(0-4)-040616**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 330551 — **Prep Batch: 330194**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	53000	B	67900	F3	mg/Kg	☼	24	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-330320/12-A
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:06	1

Lab Sample ID: LCS 500-330320/13-A
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	2.06		ug/L		103	80 - 120

Lab Sample ID: MB 500-330322/12-A
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:27	1

Lab Sample ID: LCS 500-330322/13-A
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330322

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.98		ug/L		99	80 - 120

Lab Sample ID: LB 500-330172/1-B
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 330320

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 10:10	1

Lab Sample ID: 500-109818-2 MS
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: IHB-2(0-4)-040616D
Prep Type: TCLP
Prep Batch: 330320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.20		1.00	0.997		ug/L		100	50 - 150

Lab Sample ID: 500-109818-2 DU
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: IHB-2(0-4)-040616D
Prep Type: TCLP
Prep Batch: 330320

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.20		<0.20		ug/L		NC	20

Lab Sample ID: LB 500-330176/1-B
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 330322

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		04/08/16 11:00	04/11/16 11:31	1

Lab Sample ID: 500-109818-2 MS
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: IHB-2(0-4)-040616D
Prep Type: SPLP East
Prep Batch: 330322

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.20		1.00	1.05		ug/L		105	50 - 150

Lab Sample ID: 500-109818-2 DU
Matrix: Solid
Analysis Batch: 330599

Client Sample ID: IHB-2(0-4)-040616D
Prep Type: SPLP East
Prep Batch: 330322

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.20		<0.20		ug/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-330157/12-A
Matrix: Solid
Analysis Batch: 330341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 330157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<17		17	8.8	ug/Kg		04/07/16 16:15	04/08/16 09:13	1

Lab Sample ID: LCS 500-330157/13-A
Matrix: Solid
Analysis Batch: 330341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 330157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	167	173		ug/Kg		103	80 - 120

Lab Sample ID: 500-109818-1 MS
Matrix: Solid
Analysis Batch: 330341

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	29		89.3	120		ug/Kg	☼	102	75 - 125

Lab Sample ID: 500-109818-1 MSD
Matrix: Solid
Analysis Batch: 330341

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	29		97.8	135		ug/Kg	☼	108	75 - 125	12	20

Lab Sample ID: 500-109818-1 DU
Matrix: Solid
Analysis Batch: 330341

Client Sample ID: IHB-2(0-4)-040616
Prep Type: Total/NA
Prep Batch: 330157

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	29		21.4	F5	ug/Kg	☼	30	20

Method: 9045D - pH

Lab Sample ID: 500-109818-10 DU
Matrix: Solid
Analysis Batch: 330840

Client Sample ID: IHB-3(8-13.5)-040616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.19			8.170		SU				0.2	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 22:30	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 17:39	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:33	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:17	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:24		
					(End)	04/12/16 16:27		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-2(0-4)-040616
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-1
Matrix: Solid
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 12:31	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 21:19	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330430	04/08/16 15:45	KML	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		10	330551	04/09/16 19:19	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 09:50	MJD	TAL CHI

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 22:37	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 17:44	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:39	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:19	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:27		
					(End)	04/12/16 16:30		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-2(0-4)-040616D
Date Collected: 04/06/16 09:00
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-2
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 12:56	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 21:48	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330430	04/08/16 16:10	KML	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		10	330551	04/09/16 19:48	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:00	MJD	TAL CHI

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 22:44	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 17:50	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:45	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:29	MJD	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:30		
					(End)	04/12/16 16:34		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-2(4-8)-040616
Date Collected: 04/06/16 09:05
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-3
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 13:22	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 22:16	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330430	04/08/16 16:15	KML	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		10	330551	04/09/16 19:52	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:03	MJD	TAL CHI

Client Sample ID: IHB-2(8-13.5)-040616
Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 22:51	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 17:55	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:47	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:31	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:34		
					(End)	04/12/16 16:37		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-2(8-13.5)-040616

Date Collected: 04/06/16 09:10
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-4

Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 13:47	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 22:45	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330430	04/08/16 16:20	KML	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		10	330551	04/09/16 19:56	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:05	MJD	TAL CHI

Client Sample ID: IHB-1(0-4)-040616

Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 22:57	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:01	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:49	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:33	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:37		
					(End)	04/12/16 16:40		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-1(0-4)-040616

Date Collected: 04/06/16 09:20
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-5

Matrix: Solid
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 14:13	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 23:13	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:00	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:07	MJD	TAL CHI

Client Sample ID: IHB-1(4-8)-040616

Lab Sample ID: 500-109818-6

Date Collected: 04/06/16 09:25
Matrix: Solid
Date Received: 04/06/16 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 23:20	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:06	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:51	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:35	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:40		
					(End)	04/12/16 16:43		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-1(4-8)-040616

Lab Sample ID: 500-109818-6

Date Collected: 04/06/16 09:25
Matrix: Solid
Date Received: 04/06/16 11:47
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 14:38	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/13/16 23:42	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:06	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:21	MJD	TAL CHI

Client Sample ID: IHB-1(8-13.5)-040616

Lab Sample ID: 500-109818-7

Date Collected: 04/06/16 09:30
Matrix: Solid
Date Received: 04/06/16 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 23:27	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:11	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:53	MJD	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-1(8-13.5)-040616

Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:37	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:43		
					(End)	04/12/16 16:46		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-1(8-13.5)-040616

Date Collected: 04/06/16 09:30
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-7

Matrix: Solid
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 15:04	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/14/16 00:10	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:11	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:23	MJD	TAL CHI

Client Sample ID: IHB-3(0-4)-040616

Date Collected: 04/06/16 09:35
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 23:33	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:17	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:55	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:39	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:46		
					(End)	04/12/16 16:49		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-3(0-4)-040616

Lab Sample ID: 500-109818-8

Date Collected: 04/06/16 09:35
Matrix: Solid
Date Received: 04/06/16 11:47
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 15:29	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/14/16 00:38	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:16	PJ1	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		10	330687	04/11/16 15:58	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:25	MJD	TAL CHI

Client Sample ID: IHB-3(4-8)-040616

Lab Sample ID: 500-109818-9

Date Collected: 04/06/16 09:40
Matrix: Solid
Date Received: 04/06/16 11:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 23:40	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:22	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 11:56	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:41	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:49		
					(End)	04/12/16 16:52		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-3(4-8)-040616

Lab Sample ID: 500-109818-9

Date Collected: 04/06/16 09:40
Matrix: Solid
Date Received: 04/06/16 11:47
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 15:55	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/14/16 01:07	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:30	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:28	MJD	TAL CHI

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Client Sample ID: IHB-3(8-13.5)-040616

Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	3010A			330338	04/08/16 14:22	JNH	TAL CHI
SPLP East	Analysis	6010B		1	330545	04/09/16 23:47	PJ1	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	3010A			330337	04/08/16 14:19	JNH	TAL CHI
TCLP	Analysis	6010B		1	330551	04/09/16 18:37	PJ1	TAL CHI
SPLP East	Leach	1312			330176	04/07/16 15:15	DDC	TAL CHI
SPLP East	Prep	7470A			330322	04/08/16 11:00	MJD	TAL CHI
SPLP East	Analysis	7470A		1	330599	04/11/16 12:02	MJD	TAL CHI
TCLP	Leach	1311			330172	04/07/16 15:15	DDC	TAL CHI
TCLP	Prep	7470A			330320	04/08/16 11:00	MJD	TAL CHI
TCLP	Analysis	7470A		1	330599	04/11/16 10:43	MJD	TAL CHI
Total/NA	Analysis	9045D		1	330840		SMO	TAL CHI
					(Start)	04/12/16 16:52		
					(End)	04/12/16 16:55		
Total/NA	Analysis	Moisture		1	330141	04/07/16 11:45	LWN	TAL CHI

Client Sample ID: IHB-3(8-13.5)-040616

Date Collected: 04/06/16 09:45
Date Received: 04/06/16 11:47

Lab Sample ID: 500-109818-10

Matrix: Solid
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	330284	04/08/16 16:20	DJD	TAL CHI
Total/NA	Prep	3541			330201	04/07/16 16:56	DEA	TAL CHI
Total/NA	Analysis	8270D		1	330956	04/14/16 01:35	GES	TAL CHI
Total/NA	Prep	3050B			330194	04/07/16 16:06	JNH	TAL CHI
Total/NA	Analysis	6010B		1	330551	04/09/16 20:35	PJ1	TAL CHI
Total/NA	Prep	7471B			330157	04/07/16 16:15	MJD	TAL CHI
Total/NA	Analysis	7471B		1	330341	04/08/16 10:30	MJD	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Dixmoor/Riverdale - WO 043

TestAmerica Job ID: 500-109818-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17

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

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

TestAmerica

THE LEADER IN ENVIRONMENTAL

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

500-109818 COC

Chain of Custody Record

Lab Job #: 500-109818

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 4.2

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 300 Plaza Circle, Ste 202
Address: Mundelein, IL 60060
Phone: 224-864-7250
Fax: 224-864-7236
E-Mail: S.Babusukumar@westonsolutions.com

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

Client: Weston Solutions Inc.
Client Project #: 02056.014.043.0030
Project Name: IDOT-043-Ashland Ave@138th Street
Project Location/State: Riverdale, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	7	7	7	7	7					Comments
							Parameter	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					
1		1HB-2(0-4)-040616	4-6-16	0900	2	S		X	X	X	X	X					
2		1HB-2(0-4)-040616D		0900													
3		1HB-2(4-8)-040616		0905													
4		1HB-2(8-13.5)-040616		0910													
5		1HB-1(0-4)-040616		0920													
6		1HB-1(4-8)-040616		0925													
7		1HB-1(8-13.5)-040616		0930													
8		1HB-3(0-4)-040616		0935													
9		1HB-3(4-8)-040616		0940													
10		1HB-3(8-13.5)-040616	4-6-16	0945	2	S		X	X	X	X	X					

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

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	4-6-16	1026	[illegible]	TA	4-6-16	1026
Dave Becker	TA	4-6-16	1147	[illegible]	TA-CHI	4/6/16	1147

Lab Courier: TA
Shipped:
Hand Delivered:

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

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

4/15/2016

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-109818-1

Login Number: 109818
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	