



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

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

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

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

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

I. Source Location Information

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

Project Name: FAI 80 (Interstate Highway 80) Office Phone Number, if available: _____

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

1000 block of Francis Road (ISGS #3743V-4)

City: New Lenox State: IL Zip Code: 60451

County: Will Township: New Lenox

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

Latitude: 41.53111 Longitude: - 87.98521

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

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

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

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

Estimated Volume of debris (cu. Yd.): 382

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4122

Contact: Jeffrey Williams

Email, if available: Jeffrey.Williams@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196-1096 Phone: 847-705-4122

Contact: Jeffrey Williams

Email, if available: Jeffrey.Williams@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.

Uncontaminated Soil Certification**III. Basis for Certification and Attachments**

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

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

Locations 3743V-04-B01, -B04, -B05, -B07 and -B08 were sampled within the construction zone at ISGS #3743V-4 (ROW, I-80). Refer to PSI Report for ISGS #3743V-04 (ROW, I-80)

- 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]:

See attached data summary table and associated laboratory data package J262417-1.

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

I, Thomas C. Campbell, 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: WSP USA
Street Address: 115 W Washington St. Suite 1270S
City: Indianapolis State: IN Zip Code: 46204
Phone: (317) 972-1706

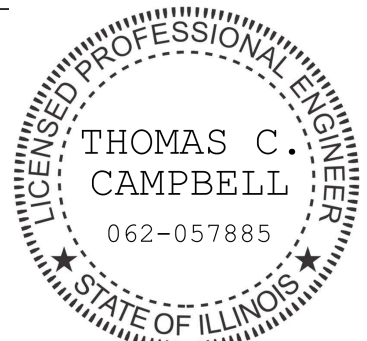
Thomas C. Campbell, P.E.

Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

04/22/2025

Date:



Expires **11/30/2025**

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

Analytical Data Summary
PTB #196-002; Work Order 45A - IDOT Job # D-91-044-23

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed or not applicable.
- J = Estimated value.
- U = Analyte was analyzed for but not detected.
- PID = Photoionization detector.
- = No PID readings detected above background (within instrument margin of error).

Criteria Qualifiers and Shading

- # = pH is less than 6.25 or greater than 9.0 standard units.
- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- * = Concentration exceeds the MAC for Chicago corporate limits.
- c = Concentration exceeds a TACO Tier 1 RO for the Construction Worker Exposure Route.
- r = Concentration exceeds a TACO Tier 1 soil RO for residential properties.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the SCGIER.
-  = Concentration exceeds the most stringent MAC only
-  = Concentration exceeds applicable comparison criteria.

PTB #196-002; Work Order 45A - IDOT Job # D-91-044-23

CONTAMINANTS OF CONCERN

CONTAMINANTS OF CONCERN									
SITE	ISGS #3743V-4 (ROW, I-80)			Comparison Criteria					
BORING	3743V-04-B01	3743V-04-B04		MACs			TACO		
SAMPLE	3743V-04-B01 (0-2)	3743V-04-B04 (0-7)	3743V-04-B04 (0-7)D	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
MATRIX	Soil	Soil	Soil						
DEPTH (feet)	0-2	0-7	0-7						
pH	8.5	8.5	8.0						
PID (meter units)	--	--	--						
VOCs (mg/kg)									
Acetone	ND UJ	ND UJ	ND UJ	25	--	--	70,000	100,000	--
SVOCs (mg/kg)									
Benzo(g,h,i)perylene	ND UJ	ND UJ	0.014 J	--	--	4.4	--	--	--
Inorganics (mg/kg)									
Antimony	ND U	ND U	ND U	5	--	--	31	82	--
Arsenic	9.7	13 †	12 †	11.3	13	--	13	61	--
Barium	45	79	55	1,500	--	--	5,500	14,000	--
Beryllium	0.66	0.83	0.73	22	--	--	160	410	--
Boron	12	7.5	15	40	--	--	16,000	41,000	--
Cadmium	0.031 J	ND U	0.031 J	5.2	--	--	78	200	--
Calcium	50,000	11,000 J	58,000 J	--	--	--	--	--	--
Chromium	16	20	17	21	--	--	230	690	--
Cobalt	12	16	13	20	--	--	4,700	12,000	--
Copper	20	22	24	2,900	--	--	2,900	8,200	--
Iron	21,000 †m	25,000 †m	23,000 †m	15,000	15,900	--	--	--	--
Lead	13	20	15	107	--	--	400	700	--
Magnesium	24,000	7,600 J	23,000 J	325,000	--	--	--	730,000	--
Manganese	400	500	380	630	636	--	1,600	4,100	--
Mercury	0.029	0.035	0.036	0.89	--	--	10	0.1	--
Nickel	30	29	34	100	--	--	1,600	4,100	--
Potassium	2,500	2,000	3,000	--	--	--	--	--	--
Selenium	ND U	0.61	0.46 J	1.3	--	--	390	1,000	--
Silver	0.93	1.5	0.77	4.4	--	--	390	1,000	--
Sodium	1,500	310	480	--	--	--	--	--	--
Thallium	2.6	3.1 †	2.4	2.6	--	--	6.3	160	--
Vanadium	22	31	24	550	--	--	550	1,400	--
Zinc	73	75	75	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)									
Barium	0.32 J	0.43 J	0.50	--	--	--	--	--	2
Boron	0.14 J	ND U	ND U	--	--	--	--	--	2
Cadmium	0.0046 J	ND U	0.0022 J	--	--	--	--	--	0.005
Chromium	ND U	ND U	ND U	--	--	--	--	--	0.1
Cobalt	0.018 J	ND U	ND U	--	--	--	--	--	1
Iron	ND U	2.8 J	0.24 J	--	--	--	--	--	5
Lead	ND U	ND U	ND U	--	--	--	--	--	0.0075
Manganese	3.8 L	0.20 L	0.43 L	--	--	--	--	--	0.15
Nickel	0.046	ND U	0.010 J	--	--	--	--	--	0.1
Thallium	ND U	ND U	ND U	--	--	--	--	--	0.002
SPLP Metals (mg/L)									
Manganese	0.96 L	0.23 L	0.35 L	--	--	--	--	--	0.15

PTB #196-002; Work Order 45A - IDOT Job # D-91-044-23

CONTAMINANTS OF CONCERN

SITE	ISGS #3743V-4 (ROW, I-80)			Comparison Criteria					
BORING	3743V-04-B05	3743V-04-B07	3743V-04-B08	MACs			TACO		
SAMPLE	3743V-04-B05 (0-7)	3743V-04-B07 (0-2)	3743V-04-B08 (0-2)	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
MATRIX	Soil	Soil	Soil						
DEPTH (feet)	0-7	0-2	0-2						
pH	8.6	8.6	7.7						
PID (meter units)	--	--	--						
VOCs (mg/kg)									
Acetone	ND UJ	0.0091 J	ND UJ	25	--	--	70,000	100,000	--
SVOCs (mg/kg)									
Benzo(g,h,i)perylene	ND UJ	0.036 J	ND UJ	--	--	4.4	--	--	--
Inorganics (mg/kg)									
Antimony	ND U	ND U	ND U	5	--	--	31	82	--
Arsenic	10	9.5	8.5	11.3	13	--	13	61	--
Barium	57	66	61	1,500	--	--	5,500	14,000	--
Beryllium	0.74	0.75	0.75	22	--	--	160	410	--
Boron	15	14	18	40	--	--	16,000	41,000	--
Cadmium	0.048 J	0.031 J	0.055 J	5.2	--	--	78	200	--
Calcium	62,000	49,000	71,000	--	--	--	--	--	--
Chromium	18	18	19	21	--	--	230	690	--
Cobalt	12	13	12	20	--	--	4,700	12,000	--
Copper	21	19	19	2,900	--	--	2,900	8,200	--
Iron	21,000 †m	20,000 †m	20,000 †m	15,000	15,900	--	--	--	--
Lead	15	17	12	107	--	--	400	700	--
Magnesium	24,000	19,000	25,000	325,000	--	--	--	730,000	--
Manganese	450	480	370	630	636	--	1,600	4,100	--
Mercury	0.029	0.043	0.029	0.89	--	--	10	0.1	--
Nickel	33	32	33	100	--	--	1,600	4,100	--
Potassium	3,000	2,900	3,500	--	--	--	--	--	--
Selenium	ND U	0.54 J	ND U	1.3	--	--	390	1,000	--
Silver	1.3	1.5	0.92	4.4	--	--	390	1,000	--
Sodium	3,000	1,700	870	--	--	--	--	--	--
Thallium	2.7 †	3.2 †	2.4	2.6	--	--	6.3	160	--
Vanadium	24	31	28	550	--	--	550	1,400	--
Zinc	73	75	69	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)									
Barium	0.48 J	0.41 J	0.43 J	--	--	--	--	--	2
Boron	ND U	ND U	0.10 J	--	--	--	--	--	2
Cadmium	ND U	ND U	0.0042 J	--	--	--	--	--	0.005
Chromium	ND U	ND U	ND U	--	--	--	--	--	0.1
Cobalt	ND U	ND U	0.039	--	--	--	--	--	1
Iron	1.3	2.2	ND U	--	--	--	--	--	5
Lead	ND U	ND U	ND U	--	--	--	--	--	0.0075
Manganese	4.3 L	5.4 L	4.8 L	--	--	--	--	--	0.15
Nickel	0.014 J	0.017 J	0.048	--	--	--	--	--	0.1
Thallium	ND U	ND U	ND U	--	--	--	--	--	0.002
SPLP Metals (mg/L)									
Manganese	2.7 L	2.0 L	0.81 L	--	--	--	--	--	0.15

ANALYTICAL REPORT

PREPARED FOR

Attn: Dean Tiebout
WSP USA Inc.
30 North LaSalle Street
Chicago, Illinois 60602

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JOB DESCRIPTION

IDOT - 196-002-WO45A Francis Road

JOB NUMBER

500-262417-1

Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Authorized for release by
Jim Knapp, Senior Project Manager
Jim.Knapp@et.eurofinsus.com
(630)758-0262

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Case Narrative

Client: WSP USA Inc.
Project: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Job ID: 500-262417-1

Eurofins Chicago

Job Narrative 500-262417-1

Receipt

The samples were received on 01/08/25 11:55. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-802216 was outside the method criteria for the following analyte(s): 2-hexanone, acetone, naphthalene, 2-chloroethyl vinyl ether, acrolein, vinyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-802303 was outside the method criteria for the following analyte(s): Benzo[g,h,i]perylene, Dibenz(a,h)anthracene, Hexachlorocyclopentadiene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The following samples were diluted due to the nature of the sample matrix: 3743V-04-B02 (0-2) (500-262417-1), 3743V-04-B07 (0-2) (500-262417-4) and 3743V-04-B06 (0-7) (500-262417-6). Elevated reporting limits (RLs) are provided.

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

Metals

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.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	10		0.57	0.19	mg/Kg	1	✳		6010D	Total/NA
Barium	57		0.57	0.065	mg/Kg	1	✳		6010D	Total/NA
Beryllium	0.74		0.23	0.053	mg/Kg	1	✳		6010D	Total/NA
Boron	15		2.8	0.26	mg/Kg	1	✳		6010D	Total/NA
Cadmium	0.048	J	0.11	0.020	mg/Kg	1	✳		6010D	Total/NA
Calcium	62000	B	57	9.6	mg/Kg	5	✳		6010D	Total/NA
Chromium	18		0.57	0.28	mg/Kg	1	✳		6010D	Total/NA
Cobalt	12		0.28	0.074	mg/Kg	1	✳		6010D	Total/NA
Copper	21		0.57	0.16	mg/Kg	1	✳		6010D	Total/NA
Iron	21000		11	5.9	mg/Kg	1	✳		6010D	Total/NA
Lead	15		1.4	0.65	mg/Kg	5	✳		6010D	Total/NA
Magnesium	24000		5.7	2.8	mg/Kg	1	✳		6010D	Total/NA
Manganese	450		0.57	0.082	mg/Kg	1	✳		6010D	Total/NA
Nickel	33		0.57	0.16	mg/Kg	1	✳		6010D	Total/NA
Potassium	3000		28	10	mg/Kg	1	✳		6010D	Total/NA
Silver	1.3		0.28	0.073	mg/Kg	1	✳		6010D	Total/NA
Sodium	3000		57	8.4	mg/Kg	1	✳		6010D	Total/NA
Thallium	2.7		0.57	0.28	mg/Kg	1	✳		6010D	Total/NA
Vanadium	24		0.28	0.067	mg/Kg	1	✳		6010D	Total/NA
Zinc	73		1.1	0.50	mg/Kg	1	✳		6010D	Total/NA
Barium	0.48	J	0.50	0.050	mg/L	1			6010D	TCLP
Iron	1.3		0.40	0.20	mg/L	1			6010D	TCLP
Manganese	4.3		0.025	0.010	mg/L	1			6010D	TCLP
Nickel	0.014	J	0.025	0.010	mg/L	1			6010D	TCLP
Manganese	2.7		0.025	0.010	mg/L	1			6010D	SPLP East

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7) (Continued)

Lab Sample ID: 500-262417-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.029		0.019	0.0078	mg/Kg	1	✱	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0091	J	0.016	0.0068	mg/Kg	1	✱	8260D	Total/NA
Benzo[g,h,i]perylene	0.036	J	0.078	0.017	mg/Kg	2	✱	8270E	Total/NA
Arsenic	9.5		0.57	0.20	mg/Kg	1	✱	6010D	Total/NA
Barium	66		0.57	0.065	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.75		0.23	0.054	mg/Kg	1	✱	6010D	Total/NA
Boron	14		2.9	0.27	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.031	J	0.11	0.021	mg/Kg	1	✱	6010D	Total/NA
Calcium	49000	B	57	9.7	mg/Kg	5	✱	6010D	Total/NA
Chromium	18		0.57	0.28	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13		1.4	0.38	mg/Kg	5	✱	6010D	Total/NA
Copper	19		0.57	0.16	mg/Kg	1	✱	6010D	Total/NA
Iron	20000		11	6.0	mg/Kg	1	✱	6010D	Total/NA
Lead	17		1.4	0.66	mg/Kg	5	✱	6010D	Total/NA
Magnesium	19000		5.7	2.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	480		0.57	0.083	mg/Kg	1	✱	6010D	Total/NA
Nickel	32		0.57	0.17	mg/Kg	1	✱	6010D	Total/NA
Potassium	2900		29	10	mg/Kg	1	✱	6010D	Total/NA
Selenium	0.54	J	0.57	0.34	mg/Kg	1	✱	6010D	Total/NA
Silver	1.5		0.29	0.074	mg/Kg	1	✱	6010D	Total/NA
Sodium	1700		57	8.5	mg/Kg	1	✱	6010D	Total/NA
Thallium	3.2		0.57	0.29	mg/Kg	1	✱	6010D	Total/NA
Vanadium	31		1.4	0.34	mg/Kg	5	✱	6010D	Total/NA
Zinc	75		1.1	0.50	mg/Kg	1	✱	6010D	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010D	TCLP
Iron	2.2		0.40	0.20	mg/L	1		6010D	TCLP
Manganese	5.4		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.017	J	0.025	0.010	mg/L	1		6010D	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.043		0.018	0.0076	mg/Kg	1	✱	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.5		0.57	0.20	mg/Kg	1	✱	6010D	Total/NA
Barium	61		0.57	0.066	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.75		0.23	0.054	mg/Kg	1	✱	6010D	Total/NA
Boron	18		2.9	0.27	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.055	J	0.11	0.021	mg/Kg	1	✱	6010D	Total/NA
Calcium	71000	B	57	9.7	mg/Kg	5	✱	6010D	Total/NA
Chromium	19		0.57	0.28	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12		1.4	0.38	mg/Kg	5	✱	6010D	Total/NA
Copper	19		0.57	0.16	mg/Kg	1	✱	6010D	Total/NA
Iron	20000		11	6.0	mg/Kg	1	✱	6010D	Total/NA
Lead	12		1.4	0.66	mg/Kg	5	✱	6010D	Total/NA
Magnesium	25000		5.7	2.9	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2) (Continued)

Lab Sample ID: 500-262417-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Manganese	370		0.57	0.083	mg/Kg	1		✱	6010D	Total/NA
Nickel	33		0.57	0.17	mg/Kg	1		✱	6010D	Total/NA
Potassium	3500		29	10	mg/Kg	1		✱	6010D	Total/NA
Silver	0.92		0.29	0.074	mg/Kg	1		✱	6010D	Total/NA
Sodium	870		57	8.5	mg/Kg	1		✱	6010D	Total/NA
Thallium	2.4		0.57	0.29	mg/Kg	1		✱	6010D	Total/NA
Vanadium	28		1.4	0.34	mg/Kg	5		✱	6010D	Total/NA
Zinc	69		1.1	0.50	mg/Kg	1		✱	6010D	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1			6010D	TCLP
Boron	0.10	J	0.50	0.050	mg/L	1			6010D	TCLP
Cadmium	0.0042	J	0.0050	0.0020	mg/L	1			6010D	TCLP
Cobalt	0.039		0.025	0.010	mg/L	1			6010D	TCLP
Iron	1.2	B	0.40	0.20	mg/L	1			6010D	TCLP
Manganese	4.8		0.025	0.010	mg/L	1			6010D	TCLP
Nickel	0.048		0.025	0.010	mg/L	1			6010D	TCLP
Manganese	0.81		0.025	0.010	mg/L	1			6010D	SPLP East
Mercury	0.029		0.019	0.0078	mg/Kg	1		✱	7471B	Total/NA
pH	7.7		0.2	0.2	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	13		0.58	0.20	mg/Kg	1	✱		6010D	Total/NA
Barium	79		0.58	0.066	mg/Kg	1	✱		6010D	Total/NA
Beryllium	0.83		0.23	0.054	mg/Kg	1	✱		6010D	Total/NA
Boron	7.5		2.9	0.27	mg/Kg	1	✱		6010D	Total/NA
Calcium	11000	B	12	2.0	mg/Kg	1	✱		6010D	Total/NA
Chromium	20		0.58	0.29	mg/Kg	1	✱		6010D	Total/NA
Cobalt	16		0.29	0.076	mg/Kg	1	✱		6010D	Total/NA
Copper	22		0.58	0.16	mg/Kg	1	✱		6010D	Total/NA
Iron	25000		12	6.1	mg/Kg	1	✱		6010D	Total/NA
Lead	20		0.29	0.13	mg/Kg	1	✱		6010D	Total/NA
Magnesium	7600		5.8	2.9	mg/Kg	1	✱		6010D	Total/NA
Manganese	500		0.58	0.085	mg/Kg	1	✱		6010D	Total/NA
Nickel	29		0.58	0.17	mg/Kg	1	✱		6010D	Total/NA
Potassium	2000		29	10	mg/Kg	1	✱		6010D	Total/NA
Selenium	0.61		0.58	0.34	mg/Kg	1	✱		6010D	Total/NA
Silver	1.5		0.29	0.075	mg/Kg	1	✱		6010D	Total/NA
Sodium	310		58	8.6	mg/Kg	1	✱		6010D	Total/NA
Thallium	3.1		0.58	0.29	mg/Kg	1	✱		6010D	Total/NA
Vanadium	31		0.29	0.069	mg/Kg	1	✱		6010D	Total/NA
Zinc	75		1.2	0.51	mg/Kg	1	✱		6010D	Total/NA
Barium	0.43	J	0.50	0.050	mg/L	1			6010D	TCLP
Iron	2.8		0.40	0.20	mg/L	1			6010D	TCLP
Manganese	0.20		0.025	0.010	mg/L	1			6010D	TCLP
Manganese	0.23		0.025	0.010	mg/L	1			6010D	SPLP East
Mercury	0.035		0.020	0.0081	mg/Kg	1	✱		7471B	Total/NA
pH	8.5		0.2	0.2	SU	1			9045D	Total/NA

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.014	J	0.038	0.0083	mg/Kg	1	✱		8270E	Total/NA
Arsenic	12		0.58	0.20	mg/Kg	1	✱		6010D	Total/NA
Barium	55		0.58	0.066	mg/Kg	1	✱		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D (Continued)

Lab Sample ID: 500-262417-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.73		0.23	0.054	mg/Kg	1	✱	6010D	Total/NA
Boron	15		2.9	0.27	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.031	J	0.12	0.021	mg/Kg	1	✱	6010D	Total/NA
Calcium	58000	B	58	9.8	mg/Kg	5	✱	6010D	Total/NA
Chromium	17		0.58	0.29	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13		0.29	0.076	mg/Kg	1	✱	6010D	Total/NA
Copper	24		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Iron	23000		12	6.0	mg/Kg	1	✱	6010D	Total/NA
Lead	15		1.4	0.67	mg/Kg	5	✱	6010D	Total/NA
Magnesium	23000		5.8	2.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	380		0.58	0.084	mg/Kg	1	✱	6010D	Total/NA
Nickel	34		0.58	0.17	mg/Kg	1	✱	6010D	Total/NA
Potassium	3000		29	10	mg/Kg	1	✱	6010D	Total/NA
Selenium	0.46	J	0.58	0.34	mg/Kg	1	✱	6010D	Total/NA
Silver	0.77		0.29	0.075	mg/Kg	1	✱	6010D	Total/NA
Sodium	480		58	8.6	mg/Kg	1	✱	6010D	Total/NA
Thallium	2.4		0.58	0.29	mg/Kg	1	✱	6010D	Total/NA
Vanadium	24		0.29	0.068	mg/Kg	1	✱	6010D	Total/NA
Zinc	75		1.2	0.51	mg/Kg	1	✱	6010D	Total/NA
Barium	0.50		0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010D	TCLP
Iron	0.24	J	0.40	0.20	mg/L	1		6010D	TCLP
Manganese	0.43		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.010	J	0.025	0.010	mg/L	1		6010D	TCLP
Manganese	0.35		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.036		0.019	0.0077	mg/Kg	1	✱	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.7		0.56	0.19	mg/Kg	1	✱	6010D	Total/NA
Barium	45		0.56	0.064	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.66		0.23	0.053	mg/Kg	1	✱	6010D	Total/NA
Boron	12		2.8	0.26	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.031	J	0.11	0.020	mg/Kg	1	✱	6010D	Total/NA
Calcium	50000	B	56	9.5	mg/Kg	5	✱	6010D	Total/NA
Chromium	16		0.56	0.28	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12		0.28	0.074	mg/Kg	1	✱	6010D	Total/NA
Copper	20		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Iron	21000		11	5.9	mg/Kg	1	✱	6010D	Total/NA
Lead	13		1.4	0.65	mg/Kg	5	✱	6010D	Total/NA
Magnesium	24000		5.6	2.8	mg/Kg	1	✱	6010D	Total/NA
Manganese	400		0.56	0.082	mg/Kg	1	✱	6010D	Total/NA
Nickel	30		0.56	0.16	mg/Kg	1	✱	6010D	Total/NA
Potassium	2500		28	10	mg/Kg	1	✱	6010D	Total/NA
Silver	0.93		0.28	0.073	mg/Kg	1	✱	6010D	Total/NA
Sodium	1500		56	8.3	mg/Kg	1	✱	6010D	Total/NA
Thallium	2.6		0.56	0.28	mg/Kg	1	✱	6010D	Total/NA
Vanadium	22		0.28	0.066	mg/Kg	1	✱	6010D	Total/NA
Zinc	73		1.1	0.49	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2) (Continued)

Lab Sample ID: 500-262417-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.32	J	0.50	0.050	mg/L	1		6010D	TCLP
Boron	0.14	J	0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.0046	J	0.0050	0.0020	mg/L	1		6010D	TCLP
Cobalt	0.018	J	0.025	0.010	mg/L	1		6010D	TCLP
Iron	1.2	B	0.40	0.20	mg/L	1		6010D	TCLP
Manganese	3.8		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.046		0.025	0.010	mg/L	1		6010D	TCLP
Manganese	0.96		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.029		0.018	0.0076	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury	SW846	EET CHI
7471B	Mercury (CVAA)	SW846	EET CHI
9045D	pH	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
1312	SPLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3050B	Preparation, Metals	SW846	EET CHI
3546	Microwave Extraction	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
7471B	Preparation, Mercury	SW846	EET 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:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-262417-3	3743V-04-B05 (0-7)	Solid	01/08/25 09:25	01/08/25 11:55
500-262417-4	3743V-04-B07 (0-2)	Solid	01/08/25 09:40	01/08/25 11:55
500-262417-5	3743V-04-B08 (0-2)	Solid	01/08/25 09:55	01/08/25 11:55
500-262417-7	3743V-04-B04 (0-7)	Solid	01/08/25 10:25	01/08/25 11:55
500-262417-8	3743V-04-B04 (0-7)D	Solid	01/08/25 10:30	01/08/25 11:55
500-262417-9	3743V-04-B01 (0-2)	Solid	01/08/25 10:45	01/08/25 11:55

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0077	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Benzene	<0.0018		0.0018	0.00058	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Bromodichloromethane	<0.0018		0.0018	0.00059	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Bromoform	<0.0018		0.0018	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Bromomethane	<0.0046		0.0046	0.0023	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
2-Butanone (MEK)	<0.0046		0.0046	0.0020	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Carbon disulfide	<0.0046		0.0046	0.00084	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Carbon tetrachloride	<0.0018		0.0018	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Chlorobenzene	<0.0018		0.0018	0.00077	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Chloroethane	<0.0046		0.0046	0.0015	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Chloroform	<0.0018		0.0018	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Chloromethane	<0.0046		0.0046	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00074	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00074	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Dibromochloromethane	<0.0018		0.0018	0.00085	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,1-Dichloroethane	<0.0018		0.0018	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,2-Dichloroethane	<0.0046		0.0046	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,1-Dichloroethene	<0.0018		0.0018	0.00075	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00088	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Ethylbenzene	<0.0018		0.0018	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
2-Hexanone	<0.0046		0.0046	0.0028	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Methylene Chloride	<0.0046		0.0046	0.0020	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.0033	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00059	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Styrene	<0.0018		0.0018	0.00083	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00091	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Tetrachloroethene	<0.0018		0.0018	0.0010	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Toluene	<0.0018		0.0018	0.00037	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00088	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00074	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Trichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Vinyl acetate	<0.0046		0.0046	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Vinyl chloride	<0.0018		0.0018	0.00075	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1
Xylenes, Total	<0.0037		0.0037	0.00063	mg/Kg	☆	01/08/25 17:27	01/09/25 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		75 - 131	01/08/25 17:27	01/09/25 16:41	1
Dibromofluoromethane	93		75 - 126	01/08/25 17:27	01/09/25 16:41	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	01/08/25 17:27	01/09/25 16:41	1
Toluene-d8 (Surr)	100		75 - 124	01/08/25 17:27	01/09/25 16:41	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<3.0		3.0	0.42	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
1,2-Dichlorobenzene	<3.0		3.0	0.24	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
1,3-Dichlorobenzene	<3.0		3.0	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
1,4-Dichlorobenzene	<3.0		3.0	0.28	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<3.0		3.0	0.42	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4,5-Trichlorophenol	<5.9		5.9	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4,6-Trichlorophenol	<5.9		5.9	0.20	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4-Dichlorophenol	<5.9		5.9	0.21	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4-Dimethylphenol	<5.9		5.9	1.3	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4-Dinitrophenol	<12		12	3.4	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,4-Dinitrotoluene	<3.0		3.0	0.34	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2,6-Dinitrotoluene	<3.0		3.0	0.20	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Chloronaphthalene	<3.0		3.0	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Chlorophenol	<3.0		3.0	0.19	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Methylnaphthalene	<1.2		1.2	0.12	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Methylphenol	<3.0		3.0	0.31	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Nitroaniline	<3.0		3.0	0.32	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
2-Nitrophenol	<5.9		5.9	0.40	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
3 & 4 Methylphenol	<3.0		3.0	0.43	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
3,3'-Dichlorobenzidine	<3.0		3.0	0.48	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
3-Nitroaniline	<5.9		5.9	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4,6-Dinitro-2-methylphenol	<12		12	3.3	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Bromophenyl phenyl ether	<3.0		3.0	0.40	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Chloro-3-methylphenol	<5.9		5.9	0.23	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Chloroaniline	<12		12	6.2	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Chlorophenyl phenyl ether	<3.0		3.0	0.77	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Nitroaniline	<5.9		5.9	0.44	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
4-Nitrophenol	<12		12	2.2	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Acenaphthene	<0.59		0.59	0.12	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Acenaphthylene	<0.59		0.59	0.10	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Anthracene	<0.59		0.59	0.12	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Benzo[a]anthracene	<0.59		0.59	0.13	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Benzo[a]pyrene	<0.59		0.59	0.57	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Benzo[b]fluoranthene	<0.59		0.59	0.56	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Benzo[g,h,i]perylene	<0.59		0.59	0.13	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Benzo[k]fluoranthene	<0.59		0.59	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Bis(2-chloroethoxy)methane	<3.0		3.0	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Bis(2-chloroethyl)ether	<3.0		3.0	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Bis(2-ethylhexyl) phthalate	<3.0		3.0	2.3	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Butyl benzyl phthalate	<3.0		3.0	0.29	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Carbazole	<3.0		3.0	0.23	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Chrysene	<0.59		0.59	0.16	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Dibenz(a,h)anthracene	<0.59		0.59	0.59	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Dibenzofuran	<3.0		3.0	0.21	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Diethyl phthalate	<3.0		3.0	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Dimethyl phthalate	<3.0		3.0	0.13	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Di-n-butyl phthalate	<3.0		3.0	0.19	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Di-n-octyl phthalate	<5.9		5.9	4.1	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Fluoranthene	<0.59		0.59	0.14	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Fluorene	<0.59		0.59	0.17	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Hexachlorobenzene	<1.2		1.2	0.11	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Hexachlorobutadiene	<3.0		3.0	0.33	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Hexachlorocyclopentadiene	<12		12	6.3	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<3.0		3.0	0.29	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Indeno[1,2,3-cd]pyrene	<0.59		0.59	0.57	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Isophorone	<3.0		3.0	0.30	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Naphthalene	<0.59		0.59	0.11	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Nitrobenzene	<0.59		0.59	0.19	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
N-Nitrosodi-n-propylamine	<1.2		1.2	0.12	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
N-Nitrosodiphenylamine	<3.0		3.0	0.35	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Pentachlorophenol	<12		12	1.5	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Phenanthrene	<0.59		0.59	0.13	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Phenol	<3.0		3.0	0.26	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1
Pyrene	<0.59		0.59	0.16	mg/Kg	☆	01/08/25 14:11	01/09/25 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	88		31 - 166	01/08/25 14:11	01/09/25 15:35	1
Phenol-d5 (Surr)	84		30 - 153	01/08/25 14:11	01/09/25 15:35	1
Nitrobenzene-d5 (Surr)	85		37 - 147	01/08/25 14:11	01/09/25 15:35	1
2-Fluorobiphenyl (Surr)	85		43 - 145	01/08/25 14:11	01/09/25 15:35	1
2,4,6-Tribromophenol (Surr)	77		31 - 143	01/08/25 14:11	01/09/25 15:35	1
Terphenyl-d14 (Surr)	98		42 - 157	01/08/25 14:11	01/09/25 15:35	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Arsenic	10		0.57	0.19	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Barium	57		0.57	0.065	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Beryllium	0.74		0.23	0.053	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Boron	15		2.8	0.26	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Cadmium	0.048	J	0.11	0.020	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Calcium	62000	B	57	9.6	mg/Kg	☆	01/09/25 08:55	01/10/25 17:49	5
Chromium	18		0.57	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Cobalt	12		0.28	0.074	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Copper	21		0.57	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Iron	21000		11	5.9	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Lead	15		1.4	0.65	mg/Kg	☆	01/09/25 08:55	01/10/25 17:49	5
Magnesium	24000		5.7	2.8	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Manganese	450		0.57	0.082	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Nickel	33		0.57	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Potassium	3000		28	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Silver	1.3		0.28	0.073	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Sodium	3000		57	8.4	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Thallium	2.7		0.57	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Vanadium	24		0.28	0.067	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1
Zinc	73		1.1	0.50	mg/Kg	☆	01/09/25 08:55	01/09/25 17:01	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.48	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 17:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 17:22	1
Boron	<2.5		2.5	0.25	mg/L		01/16/25 16:28	01/20/25 13:25	5

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/16/25 16:28	01/17/25 17:22	1
Chromium	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:22	1
Cobalt	<0.13		0.13	0.050	mg/L		01/16/25 16:28	01/20/25 13:25	5
Iron	1.3		0.40	0.20	mg/L		01/16/25 16:28	01/17/25 17:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/16/25 16:28	01/17/25 17:22	1
Manganese	4.3		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:22	1
Nickel	0.014	J	0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:22	1
Selenium	<0.050		0.050	0.020	mg/L		01/16/25 16:28	01/17/25 17:22	1
Silver	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:22	1
Zinc	<0.50		0.50	0.020	mg/L		01/16/25 16:28	01/17/25 17:22	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.7		0.025	0.010	mg/L		01/16/25 14:30	01/17/25 16:47	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L		01/16/25 16:28	01/20/25 22:20	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 16:28	01/20/25 22:20	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/17/25 11:35	01/20/25 10:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0078	mg/Kg	☆	01/17/25 15:10	01/20/25 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			01/09/25 09:59	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0091	J	0.016	0.0068	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Benzene	<0.0016		0.0016	0.00051	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Bromodichloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Bromoform	<0.0016		0.0016	0.00095	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Bromomethane	<0.0041		0.0041	0.0020	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
2-Butanone (MEK)	<0.0041		0.0041	0.0018	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Carbon disulfide	<0.0041		0.0041	0.00075	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Carbon tetrachloride	<0.0016		0.0016	0.00056	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Chlorobenzene	<0.0016		0.0016	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Chloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Chloroform	<0.0016		0.0016	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Chloromethane	<0.0041		0.0041	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00065	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Dibromochloromethane	<0.0016		0.0016	0.00076	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,1-Dichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,2-Dichloroethane	<0.0041		0.0041	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,1-Dichloroethene	<0.0016		0.0016	0.00067	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Ethylbenzene	<0.0016		0.0016	0.00086	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
2-Hexanone	<0.0041		0.0041	0.0025	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Methylene Chloride	<0.0041		0.0041	0.0017	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.0029	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00053	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Styrene	<0.0016		0.0016	0.00073	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00081	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Tetrachloroethene	<0.0016		0.0016	0.00092	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Toluene	<0.0016		0.0016	0.00033	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Trichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Vinyl acetate	<0.0041		0.0041	0.00097	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Vinyl chloride	<0.0016		0.0016	0.00067	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1
Xylenes, Total	<0.0033		0.0033	0.00056	mg/Kg	☆	01/08/25 17:27	01/09/25 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	01/08/25 17:27	01/09/25 17:06	1
Dibromofluoromethane	95		75 - 126	01/08/25 17:27	01/09/25 17:06	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	01/08/25 17:27	01/09/25 17:06	1
Toluene-d8 (Surr)	100		75 - 124	01/08/25 17:27	01/09/25 17:06	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.40		0.40	0.056	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
1,2-Dichlorobenzene	<0.40		0.40	0.032	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
1,3-Dichlorobenzene	<0.40		0.40	0.036	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
1,4-Dichlorobenzene	<0.40		0.40	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.40		0.40	0.056	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4,5-Trichlorophenol	<0.78		0.78	0.030	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4,6-Trichlorophenol	<0.78		0.78	0.027	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4-Dichlorophenol	<0.78		0.78	0.028	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4-Dimethylphenol	<0.78		0.78	0.18	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4-Dinitrophenol	<1.6		1.6	0.46	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,4-Dinitrotoluene	<0.40		0.40	0.045	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2,6-Dinitrotoluene	<0.40		0.40	0.027	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Chloronaphthalene	<0.40		0.40	0.029	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Chlorophenol	<0.40		0.40	0.025	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Methylnaphthalene	<0.16		0.16	0.016	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Methylphenol	<0.40		0.40	0.042	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Nitroaniline	<0.40		0.40	0.042	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
2-Nitrophenol	<0.78		0.78	0.053	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
3 & 4 Methylphenol	<0.40		0.40	0.058	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
3,3'-Dichlorobenzidine	<0.40		0.40	0.064	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
3-Nitroaniline	<0.78		0.78	0.036	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4,6-Dinitro-2-methylphenol	<1.6		1.6	0.44	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Bromophenyl phenyl ether	<0.40		0.40	0.054	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Chloro-3-methylphenol	<0.78		0.78	0.031	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Chloroaniline	<1.6		1.6	0.83	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Chlorophenyl phenyl ether	<0.40		0.40	0.10	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Nitroaniline	<0.78		0.78	0.058	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
4-Nitrophenol	<1.6		1.6	0.29	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Acenaphthene	<0.078		0.078	0.016	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Acenaphthylene	<0.078		0.078	0.013	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Anthracene	<0.078		0.078	0.016	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Benzo[a]anthracene	<0.078		0.078	0.017	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Benzo[a]pyrene	<0.078		0.078	0.076	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Benzo[b]fluoranthene	<0.078		0.078	0.075	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Benzo[g,h,i]perylene	0.036	J	0.078	0.017	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Benzo[k]fluoranthene	<0.078		0.078	0.030	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Bis(2-chloroethoxy)methane	<0.40		0.40	0.029	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Bis(2-chloroethyl)ether	<0.40		0.40	0.036	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Bis(2-ethylhexyl) phthalate	<0.40		0.40	0.31	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Butyl benzyl phthalate	<0.40		0.40	0.039	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Carbazole	<0.40		0.40	0.031	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Chrysene	<0.078		0.078	0.021	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Dibenz(a,h)anthracene	<0.078		0.078	0.078	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Dibenzofuran	<0.40		0.40	0.028	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Diethyl phthalate	<0.40		0.40	0.036	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Dimethyl phthalate	<0.40		0.40	0.017	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Di-n-butyl phthalate	<0.40		0.40	0.025	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Di-n-octyl phthalate	<0.78		0.78	0.55	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Fluoranthene	<0.078		0.078	0.018	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Fluorene	<0.078		0.078	0.023	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Hexachlorobenzene	<0.16		0.16	0.015	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Hexachlorobutadiene	<0.40		0.40	0.044	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2
Hexachlorocyclopentadiene	<1.6		1.6	0.84	mg/Kg	✱	01/08/25 14:11	01/09/25 17:37	2

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.40		0.40	0.039	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Indeno[1,2,3-cd]pyrene	<0.078		0.078	0.077	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Isophorone	<0.40		0.40	0.041	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Naphthalene	<0.078		0.078	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Nitrobenzene	<0.078		0.078	0.025	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
N-Nitrosodi-n-propylamine	<0.16		0.16	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
N-Nitrosodiphenylamine	<0.40		0.40	0.047	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Pentachlorophenol	<1.6		1.6	0.20	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Phenanthrene	<0.078		0.078	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Phenol	<0.40		0.40	0.034	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2
Pyrene	<0.078		0.078	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 17:37	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	79		31 - 166	01/08/25 14:11	01/09/25 17:37	2
Phenol-d5 (Surr)	79		30 - 153	01/08/25 14:11	01/09/25 17:37	2
Nitrobenzene-d5 (Surr)	77		37 - 147	01/08/25 14:11	01/09/25 17:37	2
2-Fluorobiphenyl (Surr)	81		43 - 145	01/08/25 14:11	01/09/25 17:37	2
2,4,6-Tribromophenol (Surr)	66		31 - 143	01/08/25 14:11	01/09/25 17:37	2
Terphenyl-d14 (Surr)	84		42 - 157	01/08/25 14:11	01/09/25 17:37	2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Arsenic	9.5		0.57	0.20	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Barium	66		0.57	0.065	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Beryllium	0.75		0.23	0.054	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Boron	14		2.9	0.27	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Cadmium	0.031	J	0.11	0.021	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Calcium	49000	B	57	9.7	mg/Kg	☆	01/09/25 08:55	01/10/25 17:54	5
Chromium	18		0.57	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Cobalt	13		1.4	0.38	mg/Kg	☆	01/09/25 08:55	01/10/25 17:54	5
Copper	19		0.57	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Iron	20000		11	6.0	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Lead	17		1.4	0.66	mg/Kg	☆	01/09/25 08:55	01/10/25 17:54	5
Magnesium	19000		5.7	2.8	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Manganese	480		0.57	0.083	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Nickel	32		0.57	0.17	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Potassium	2900		29	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Selenium	0.54	J	0.57	0.34	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Silver	1.5		0.29	0.074	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Sodium	1700		57	8.5	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Thallium	3.2		0.57	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1
Vanadium	31		1.4	0.34	mg/Kg	☆	01/09/25 08:55	01/10/25 17:54	5
Zinc	75		1.1	0.50	mg/Kg	☆	01/09/25 08:55	01/09/25 17:06	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.41	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 17:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 17:27	1
Boron	<2.5		2.5	0.25	mg/L		01/16/25 16:28	01/20/25 13:30	5

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.8

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/16/25 16:28	01/17/25 17:27	1
Chromium	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:27	1
Cobalt	<0.13		0.13	0.050	mg/L		01/16/25 16:28	01/20/25 13:30	5
Iron	2.2		0.40	0.20	mg/L		01/16/25 16:28	01/17/25 17:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/16/25 16:28	01/17/25 17:27	1
Manganese	5.4		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:27	1
Nickel	0.017	J	0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:27	1
Selenium	<0.050		0.050	0.020	mg/L		01/16/25 16:28	01/17/25 17:27	1
Silver	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 17:27	1
Zinc	<0.50		0.50	0.020	mg/L		01/16/25 16:28	01/17/25 17:27	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.0		0.025	0.010	mg/L		01/16/25 14:30	01/17/25 16:52	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L		01/16/25 16:28	01/20/25 22:23	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 16:28	01/20/25 22:23	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/17/25 11:35	01/20/25 10:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.018	0.0076	mg/Kg	☆	01/17/25 15:10	01/20/25 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			01/09/25 10:02	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Benzene	<0.0019		0.0019	0.00061	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Bromodichloromethane	<0.0019		0.0019	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Bromoform	<0.0019		0.0019	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Bromomethane	<0.0048		0.0048	0.0024	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
2-Butanone (MEK)	<0.0048		0.0048	0.0021	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Carbon disulfide	<0.0048		0.0048	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Carbon tetrachloride	<0.0019		0.0019	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Chlorobenzene	<0.0019		0.0019	0.00082	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Chloroethane	<0.0048		0.0048	0.0016	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Chloroform	<0.0019		0.0019	0.0014	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Chloromethane	<0.0048		0.0048	0.00094	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00077	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Dibromochloromethane	<0.0019		0.0019	0.00090	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,1-Dichloroethane	<0.0019		0.0019	0.00073	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,2-Dichloroethane	<0.0048		0.0048	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,1-Dichloroethene	<0.0019		0.0019	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00093	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Ethylbenzene	<0.0019		0.0019	0.0010	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
2-Hexanone	<0.0048		0.0048	0.0029	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Methylene Chloride	<0.0048		0.0048	0.0021	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0034	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Styrene	<0.0019		0.0019	0.00087	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Tetrachloroethene	<0.0019		0.0019	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Toluene	<0.0019		0.0019	0.00039	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00073	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00093	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00072	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Trichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Vinyl acetate	<0.0048		0.0048	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Vinyl chloride	<0.0019		0.0019	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1
Xylenes, Total	<0.0039		0.0039	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	01/08/25 17:27	01/09/25 17:31	1
Dibromofluoromethane	96		75 - 126	01/08/25 17:27	01/09/25 17:31	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	01/08/25 17:27	01/09/25 17:31	1
Toluene-d8 (Surr)	100		75 - 124	01/08/25 17:27	01/09/25 17:31	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4,5-Trichlorophenol	<0.39		0.39	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4,6-Trichlorophenol	<0.39		0.39	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4-Dichlorophenol	<0.39		0.39	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4-Dimethylphenol	<0.39		0.39	0.088	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4-Dinitrophenol	<0.79		0.79	0.23	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,4-Dinitrotoluene	<0.20		0.20	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2,6-Dinitrotoluene	<0.20		0.20	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Methylnaphthalene	<0.079		0.079	0.0079	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Nitroaniline	<0.20		0.20	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
2-Nitrophenol	<0.39		0.39	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
3-Nitroaniline	<0.39		0.39	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Chloro-3-methylphenol	<0.39		0.39	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Chloroaniline	<0.79		0.79	0.41	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Nitroaniline	<0.39		0.39	0.029	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
4-Nitrophenol	<0.79		0.79	0.15	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Acenaphthene	<0.039		0.039	0.0080	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Acenaphthylene	<0.039		0.039	0.0067	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Anthracene	<0.039		0.039	0.0080	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Benzo[a]anthracene	<0.039		0.039	0.0083	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Benzo[a]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Benzo[b]fluoranthene	<0.039		0.039	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Benzo[g,h,i]perylene	<0.039		0.039	0.0085	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Benzo[k]fluoranthene	<0.039		0.039	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.15	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Carbazole	<0.20		0.20	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Chrysene	<0.039		0.039	0.010	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Dibenz(a,h)anthracene	<0.039		0.039	0.039	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Dimethyl phthalate	<0.20		0.20	0.0085	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Di-n-butyl phthalate	<0.20		0.20	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Di-n-octyl phthalate	<0.39		0.39	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Fluoranthene	<0.039		0.039	0.0091	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Fluorene	<0.039		0.039	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Hexachlorobenzene	<0.079		0.079	0.0075	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Hexachlorocyclopentadiene	<0.79		0.79	0.42	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Isophorone	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Naphthalene	<0.039		0.039	0.0071	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Nitrobenzene	<0.039		0.039	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.0078	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
N-Nitrosodiphenylamine	<0.20		0.20	0.023	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Pentachlorophenol	<0.79		0.79	0.098	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Phenanthrene	<0.039		0.039	0.0086	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1
Pyrene	<0.039		0.039	0.011	mg/Kg	☆	01/08/25 14:11	01/09/25 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	92		31 - 166	01/08/25 14:11	01/09/25 15:59	1
Phenol-d5 (Surr)	87		30 - 153	01/08/25 14:11	01/09/25 15:59	1
Nitrobenzene-d5 (Surr)	87		37 - 147	01/08/25 14:11	01/09/25 15:59	1
2-Fluorobiphenyl (Surr)	86		43 - 145	01/08/25 14:11	01/09/25 15:59	1
2,4,6-Tribromophenol (Surr)	78		31 - 143	01/08/25 14:11	01/09/25 15:59	1
Terphenyl-d14 (Surr)	98		42 - 157	01/08/25 14:11	01/09/25 15:59	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Arsenic	8.5		0.57	0.20	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Barium	61		0.57	0.066	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Beryllium	0.75		0.23	0.054	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Boron	18		2.9	0.27	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Cadmium	0.055	J	0.11	0.021	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Calcium	71000	B	57	9.7	mg/Kg	☆	01/09/25 08:55	01/10/25 17:58	5
Chromium	19		0.57	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Cobalt	12		1.4	0.38	mg/Kg	☆	01/09/25 08:55	01/10/25 17:58	5
Copper	19		0.57	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Iron	20000		11	6.0	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Lead	12		1.4	0.66	mg/Kg	☆	01/09/25 08:55	01/10/25 17:58	5
Magnesium	25000		5.7	2.9	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Manganese	370		0.57	0.083	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Nickel	33		0.57	0.17	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Potassium	3500		29	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Silver	0.92		0.29	0.074	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Sodium	870		57	8.5	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Thallium	2.4		0.57	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1
Vanadium	28		1.4	0.34	mg/Kg	☆	01/09/25 08:55	01/10/25 17:58	5
Zinc	69		1.1	0.50	mg/Kg	☆	01/09/25 08:55	01/09/25 17:10	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.43	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 18:12	1
Boron	0.10	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:12	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0042	J	0.0050	0.0020	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Chromium	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Cobalt	0.039		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Iron	1.2	B	0.40	0.20	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Lead	<0.0075		0.0075	0.0075	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Manganese	4.8		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Nickel	0.048		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Selenium	<0.050		0.050	0.020	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Silver	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:12	1
Zinc	<0.50		0.50	0.020	mg/L	—	01/16/25 16:28	01/17/25 18:12	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.81		0.025	0.010	mg/L	—	01/16/25 14:30	01/17/25 16:56	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L	—	01/16/25 16:28	01/20/25 22:43	1
Thallium	<0.0020		0.0020	0.00057	mg/L	—	01/16/25 16:28	01/20/25 22:43	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L	—	01/20/25 10:40	01/21/25 10:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0078	mg/Kg	☆	01/17/25 15:10	01/20/25 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU	—		01/09/25 10:04	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Benzene	<0.0019		0.0019	0.00061	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Bromodichloromethane	<0.0019		0.0019	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Bromoform	<0.0019		0.0019	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Bromomethane	<0.0048		0.0048	0.0024	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
2-Butanone (MEK)	<0.0048		0.0048	0.0021	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Carbon disulfide	<0.0048		0.0048	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Chlorobenzene	<0.0019		0.0019	0.00081	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Chloroethane	<0.0048		0.0048	0.0016	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Chloroform	<0.0019		0.0019	0.0014	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Chloromethane	<0.0048		0.0048	0.00094	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00077	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Dibromochloromethane	<0.0019		0.0019	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00073	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00093	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Ethylbenzene	<0.0019		0.0019	0.0010	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
2-Hexanone	<0.0048		0.0048	0.0029	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Methylene Chloride	<0.0048		0.0048	0.0021	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
4-Methyl-2-pentanone (MIBK)	<0.0048		0.0048	0.0034	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00062	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Styrene	<0.0019		0.0019	0.00087	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Tetrachloroethene	<0.0019		0.0019	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Toluene	<0.0019		0.0019	0.00039	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00073	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00093	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00072	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Trichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Vinyl acetate	<0.0048		0.0048	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Vinyl chloride	<0.0019		0.0019	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1
Xylenes, Total	<0.0039		0.0039	0.00066	mg/Kg	☆	01/08/25 17:27	01/09/25 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	01/08/25 17:27	01/09/25 18:20	1
Dibromofluoromethane	96		75 - 126	01/08/25 17:27	01/09/25 18:20	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	01/08/25 17:27	01/09/25 18:20	1
Toluene-d8 (Surr)	99		75 - 124	01/08/25 17:27	01/09/25 18:20	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4,5-Trichlorophenol	<0.40		0.40	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4,6-Trichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4-Dichlorophenol	<0.40		0.40	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4-Dimethylphenol	<0.40		0.40	0.089	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4-Dinitrophenol	<0.80		0.80	0.23	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.023	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Methylnaphthalene	<0.080		0.080	0.0080	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Nitroaniline	<0.20		0.20	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
2-Nitrophenol	<0.40		0.40	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
3-Nitroaniline	<0.40		0.40	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Chloro-3-methylphenol	<0.40		0.40	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Chloroaniline	<0.80		0.80	0.42	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Nitroaniline	<0.40		0.40	0.029	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
4-Nitrophenol	<0.80		0.80	0.15	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Acenaphthene	<0.040		0.040	0.0081	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Acenaphthylene	<0.040		0.040	0.0067	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Anthracene	<0.040		0.040	0.0081	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Benzo[a]anthracene	<0.040		0.040	0.0084	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Benzo[a]pyrene	<0.040		0.040	0.038	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Benzo[b]fluoranthene	<0.040		0.040	0.038	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Benzo[g,h,i]perylene	<0.040		0.040	0.0086	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Benzo[k]fluoranthene	<0.040		0.040	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.16	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Carbazole	<0.20		0.20	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Chrysene	<0.040		0.040	0.010	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Dibenz(a,h)anthracene	<0.040		0.040	0.040	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Dimethyl phthalate	<0.20		0.20	0.0086	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Di-n-butyl phthalate	<0.20		0.20	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Di-n-octyl phthalate	<0.40		0.40	0.28	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Fluoranthene	<0.040		0.040	0.0092	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Fluorene	<0.040		0.040	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Hexachlorobenzene	<0.080		0.080	0.0076	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Hexachlorocyclopentadiene	<0.80		0.80	0.42	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.039	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Isophorone	<0.20		0.20	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Naphthalene	<0.040		0.040	0.0072	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Nitrobenzene	<0.040		0.040	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.0078	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
N-Nitrosodiphenylamine	<0.20		0.20	0.024	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Pentachlorophenol	<0.80		0.80	0.099	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Phenanthrene	<0.040		0.040	0.0086	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1
Pyrene	<0.040		0.040	0.011	mg/Kg	☆	01/08/25 14:11	01/09/25 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	89		31 - 166	01/08/25 14:11	01/09/25 16:24	1
Phenol-d5 (Surr)	86		30 - 153	01/08/25 14:11	01/09/25 16:24	1
Nitrobenzene-d5 (Surr)	90		37 - 147	01/08/25 14:11	01/09/25 16:24	1
2-Fluorobiphenyl (Surr)	84		43 - 145	01/08/25 14:11	01/09/25 16:24	1
2,4,6-Tribromophenol (Surr)	71		31 - 143	01/08/25 14:11	01/09/25 16:24	1
Terphenyl-d14 (Surr)	98		42 - 157	01/08/25 14:11	01/09/25 16:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Arsenic	13		0.58	0.20	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Barium	79		0.58	0.066	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Beryllium	0.83		0.23	0.054	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Boron	7.5		2.9	0.27	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Calcium	11000	B	12	2.0	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Chromium	20		0.58	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Cobalt	16		0.29	0.076	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Copper	22		0.58	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Iron	25000		12	6.1	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Lead	20		0.29	0.13	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Magnesium	7600		5.8	2.9	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Manganese	500		0.58	0.085	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Nickel	29		0.58	0.17	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Potassium	2000		29	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Selenium	0.61		0.58	0.34	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Silver	1.5		0.29	0.075	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Sodium	310		58	8.6	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Thallium	3.1		0.58	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Vanadium	31		0.29	0.069	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1
Zinc	75		1.2	0.51	mg/Kg	☆	01/09/25 08:55	01/09/25 17:28	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.43	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 17:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 17:36	1
Boron	<2.5		2.5	0.25	mg/L		01/16/25 16:28	01/20/25 13:39	5

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.2

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Chromium	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Cobalt	<0.13		0.13	0.050	mg/L	—	01/16/25 16:28	01/20/25 13:39	5
Iron	2.8		0.40	0.20	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Lead	<0.0075		0.0075	0.0075	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Manganese	0.20		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Nickel	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Selenium	<0.050		0.050	0.020	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Silver	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 17:36	1
Zinc	<0.50		0.50	0.020	mg/L	—	01/16/25 16:28	01/17/25 17:36	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.23		0.025	0.010	mg/L	—	01/16/25 14:30	01/17/25 17:05	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L	—	01/16/25 16:28	01/20/25 22:33	1
Thallium	<0.0020		0.0020	0.00057	mg/L	—	01/16/25 16:28	01/20/25 22:33	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L	—	01/17/25 11:35	01/20/25 10:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.020	0.0081	mg/Kg	☆	01/17/25 15:10	01/20/25 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU	—		01/09/25 10:09	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0071	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Benzene	<0.0017		0.0017	0.00053	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Bromodichloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Bromoform	<0.0017		0.0017	0.00099	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Bromomethane	<0.0042		0.0042	0.0021	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
2-Butanone (MEK)	<0.0042		0.0042	0.0019	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Carbon disulfide	<0.0042		0.0042	0.00078	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00058	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Chlorobenzene	<0.0017		0.0017	0.00072	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Chloroethane	<0.0042		0.0042	0.0014	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Chloroform	<0.0017		0.0017	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Chloromethane	<0.0042		0.0042	0.00082	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00068	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00068	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Dibromochloromethane	<0.0017		0.0017	0.00079	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,2-Dichloroethane	<0.0042		0.0042	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00070	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00081	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Ethylbenzene	<0.0017		0.0017	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
2-Hexanone	<0.0042		0.0042	0.0026	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Methylene Chloride	<0.0042		0.0042	0.0018	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.0030	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00055	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Styrene	<0.0017		0.0017	0.00076	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00084	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Tetrachloroethene	<0.0017		0.0017	0.00095	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Toluene	<0.0017		0.0017	0.00034	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00064	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00081	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Trichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Vinyl acetate	<0.0042		0.0042	0.0010	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Vinyl chloride	<0.0017		0.0017	0.00069	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1
Xylenes, Total	<0.0034		0.0034	0.00058	mg/Kg	☆	01/08/25 17:27	01/09/25 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	01/08/25 17:27	01/09/25 18:44	1
Dibromofluoromethane	96		75 - 126	01/08/25 17:27	01/09/25 18:44	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	01/08/25 17:27	01/09/25 18:44	1
Toluene-d8 (Surr)	99		75 - 124	01/08/25 17:27	01/09/25 18:44	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
1,2-Dichlorobenzene	<0.19		0.19	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4,5-Trichlorophenol	<0.38		0.38	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4,6-Trichlorophenol	<0.38		0.38	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4-Dichlorophenol	<0.38		0.38	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4-Dimethylphenol	<0.38		0.38	0.086	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4-Dinitrophenol	<0.77		0.77	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,4-Dinitrotoluene	<0.19		0.19	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Methylnaphthalene	<0.077		0.077	0.0077	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Nitroaniline	<0.19		0.19	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
2-Nitrophenol	<0.38		0.38	0.026	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
3-Nitroaniline	<0.38		0.38	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Chloro-3-methylphenol	<0.38		0.38	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Chloroaniline	<0.77		0.77	0.40	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Nitroaniline	<0.38		0.38	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
4-Nitrophenol	<0.77		0.77	0.14	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Acenaphthene	<0.038		0.038	0.0078	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Acenaphthylene	<0.038		0.038	0.0065	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Anthracene	<0.038		0.038	0.0078	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Benzo[a]anthracene	<0.038		0.038	0.0081	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Benzo[a]pyrene	<0.038		0.038	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Benzo[b]fluoranthene	<0.038		0.038	0.036	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Benzo[g,h,i]perylene	0.014	J	0.038	0.0083	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Benzo[k]fluoranthene	<0.038		0.038	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Dibenz(a,h)anthracene	<0.038		0.038	0.038	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Dibenzofuran	<0.19		0.19	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Diethyl phthalate	<0.19		0.19	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Dimethyl phthalate	<0.19		0.19	0.0083	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Di-n-octyl phthalate	<0.38		0.38	0.27	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Fluoranthene	<0.038		0.038	0.0089	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Fluorene	<0.038		0.038	0.011	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Hexachlorobenzene	<0.077		0.077	0.0073	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Hexachlorobutadiene	<0.19		0.19	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Hexachlorocyclopentadiene	<0.77		0.77	0.41	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.19		0.19	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Isophorone	<0.19		0.19	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Naphthalene	<0.038		0.038	0.0069	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Nitrobenzene	<0.038		0.038	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.0076	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
N-Nitrosodiphenylamine	<0.19		0.19	0.023	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Pentachlorophenol	<0.77		0.77	0.096	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Phenanthrene	<0.038		0.038	0.0083	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Phenol	<0.19		0.19	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1
Pyrene	<0.038		0.038	0.010	mg/Kg	☆	01/08/25 14:11	01/09/25 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	92		31 - 166	01/08/25 14:11	01/09/25 16:48	1
Phenol-d5 (Surr)	89		30 - 153	01/08/25 14:11	01/09/25 16:48	1
Nitrobenzene-d5 (Surr)	92		37 - 147	01/08/25 14:11	01/09/25 16:48	1
2-Fluorobiphenyl (Surr)	89		43 - 145	01/08/25 14:11	01/09/25 16:48	1
2,4,6-Tribromophenol (Surr)	74		31 - 143	01/08/25 14:11	01/09/25 16:48	1
Terphenyl-d14 (Surr)	102		42 - 157	01/08/25 14:11	01/09/25 16:48	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Arsenic	12		0.58	0.20	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Barium	55		0.58	0.066	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Beryllium	0.73		0.23	0.054	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Boron	15		2.9	0.27	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Cadmium	0.031	J	0.12	0.021	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Calcium	58000	B	58	9.8	mg/Kg	☆	01/09/25 08:55	01/10/25 18:07	5
Chromium	17		0.58	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Cobalt	13		0.29	0.076	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Copper	24		0.58	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Iron	23000		12	6.0	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Lead	15		1.4	0.67	mg/Kg	☆	01/09/25 08:55	01/10/25 18:07	5
Magnesium	23000		5.8	2.9	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Manganese	380		0.58	0.084	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Nickel	34		0.58	0.17	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Potassium	3000		29	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Selenium	0.46	J	0.58	0.34	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Silver	0.77		0.29	0.075	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Sodium	480		58	8.6	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Thallium	2.4		0.58	0.29	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Vanadium	24		0.29	0.068	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1
Zinc	75		1.2	0.51	mg/Kg	☆	01/09/25 08:55	01/09/25 17:32	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.50		0.50	0.050	mg/L		01/17/25 14:22	01/20/25 12:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/17/25 14:22	01/20/25 12:48	1
Boron	<0.50		0.50	0.050	mg/L		01/17/25 14:22	01/20/25 12:48	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.1

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0022	J	0.0050	0.0020	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Chromium	<0.025		0.025	0.010	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Cobalt	<0.025		0.025	0.010	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Iron	0.24	J	0.40	0.20	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Lead	<0.0075		0.0075	0.0075	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Manganese	0.43		0.025	0.010	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Nickel	0.010	J	0.025	0.010	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Selenium	<0.050		0.050	0.020	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Silver	<0.025		0.025	0.010	mg/L	—	01/17/25 14:22	01/20/25 12:48	1
Zinc	<0.50		0.50	0.020	mg/L	—	01/17/25 14:22	01/20/25 12:48	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.35		0.025	0.010	mg/L	—	01/16/25 14:30	01/17/25 17:09	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L	—	01/17/25 14:22	01/20/25 21:55	1
Thallium	<0.0020		0.0020	0.00057	mg/L	—	01/17/25 14:22	01/20/25 21:55	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L	—	01/20/25 10:40	01/21/25 09:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0077	mg/Kg	☆	01/17/25 15:10	01/20/25 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU	—		01/09/25 10:11	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.024		0.024	0.010	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Benzene	<0.0024		0.0024	0.00075	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Bromodichloromethane	<0.0024		0.0024	0.00076	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Bromoform	<0.0024		0.0024	0.0014	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Bromomethane	<0.0060		0.0060	0.0029	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
2-Butanone (MEK)	<0.0060		0.0060	0.0026	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Carbon disulfide	<0.0060		0.0060	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Carbon tetrachloride	<0.0024		0.0024	0.00081	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Chlorobenzene	<0.0024		0.0024	0.0010	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Chloroethane	<0.0060		0.0060	0.0020	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Chloroform	<0.0024		0.0024	0.0017	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Chloromethane	<0.0060		0.0060	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
cis-1,2-Dichloroethene	<0.0024		0.0024	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
cis-1,3-Dichloropropene	<0.0024		0.0024	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Dibromochloromethane	<0.0024		0.0024	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,1-Dichloroethane	<0.0024		0.0024	0.00090	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,2-Dichloroethane	<0.0060		0.0060	0.0015	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,1-Dichloroethene	<0.0024		0.0024	0.00098	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,2-Dichloropropane	<0.0024		0.0024	0.00061	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,3-Dichloropropene, Total	<0.0024		0.0024	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Ethylbenzene	<0.0024		0.0024	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
2-Hexanone	<0.0060		0.0060	0.0036	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Methylene Chloride	<0.0060		0.0060	0.0025	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
4-Methyl-2-pentanone (MIBK)	<0.0060		0.0060	0.0042	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Methyl tert-butyl ether	<0.0024		0.0024	0.00077	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Styrene	<0.0024		0.0024	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,1,2,2-Tetrachloroethane	<0.0024		0.0024	0.0012	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Tetrachloroethene	<0.0024		0.0024	0.0013	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Toluene	<0.0024		0.0024	0.00048	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
trans-1,2-Dichloroethene	<0.0024		0.0024	0.00090	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
trans-1,3-Dichloropropene	<0.0024		0.0024	0.0011	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,1,1-Trichloroethane	<0.0024		0.0024	0.00096	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
1,1,2-Trichloroethane	<0.0024		0.0024	0.00089	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Trichloroethene	<0.0024		0.0024	0.00065	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Vinyl acetate	<0.0060		0.0060	0.0014	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Vinyl chloride	<0.0024		0.0024	0.00097	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1
Xylenes, Total	<0.0048		0.0048	0.00082	mg/Kg	☆	01/08/25 17:27	01/09/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	01/08/25 17:27	01/09/25 19:09	1
Dibromofluoromethane	93		75 - 126	01/08/25 17:27	01/09/25 19:09	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	01/08/25 17:27	01/09/25 19:09	1
Toluene-d8 (Surr)	100		75 - 124	01/08/25 17:27	01/09/25 19:09	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.027	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4,5-Trichlorophenol	<0.37		0.37	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4,6-Trichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4-Dichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4-Dimethylphenol	<0.37		0.37	0.084	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4-Dinitrophenol	<0.76		0.76	0.22	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Methylnaphthalene	<0.076		0.076	0.0075	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
2-Nitrophenol	<0.37		0.37	0.025	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
3-Nitroaniline	<0.37		0.37	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.21	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Chloro-3-methylphenol	<0.37		0.37	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Chloroaniline	<0.76		0.76	0.39	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Nitroaniline	<0.37		0.37	0.028	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
4-Nitrophenol	<0.76		0.76	0.14	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Acenaphthene	<0.037		0.037	0.0076	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Acenaphthylene	<0.037		0.037	0.0064	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Anthracene	<0.037		0.037	0.0077	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Benzo[a]anthracene	<0.037		0.037	0.0080	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Benzo[a]pyrene	<0.037		0.037	0.036	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Benzo[b]fluoranthene	<0.037		0.037	0.036	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Benzo[g,h,i]perylene	<0.037		0.037	0.0081	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Benzo[k]fluoranthene	<0.037		0.037	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Chrysene	<0.037		0.037	0.0099	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Dibenz(a,h)anthracene	<0.037		0.037	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Dibenzofuran	<0.19		0.19	0.013	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Diethyl phthalate	<0.19		0.19	0.017	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Dimethyl phthalate	<0.19		0.19	0.0082	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Di-n-octyl phthalate	<0.37		0.37	0.26	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Fluoranthene	<0.037		0.037	0.0087	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Fluorene	<0.037		0.037	0.011	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Hexachlorobenzene	<0.076		0.076	0.0072	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Hexachlorobutadiene	<0.19		0.19	0.021	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Hexachlorocyclopentadiene	<0.76		0.76	0.40	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.19		0.19	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.037	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Isophorone	<0.19		0.19	0.019	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Naphthalene	<0.037		0.037	0.0068	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Nitrobenzene	<0.037		0.037	0.012	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.0074	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
N-Nitrosodiphenylamine	<0.19		0.19	0.022	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Pentachlorophenol	<0.76		0.76	0.094	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Phenanthrene	<0.037		0.037	0.0082	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Phenol	<0.19		0.19	0.016	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1
Pyrene	<0.037		0.037	0.010	mg/Kg	☆	01/08/25 14:11	01/09/25 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	89		31 - 166	01/08/25 14:11	01/09/25 17:13	1
Phenol-d5 (Surr)	86		30 - 153	01/08/25 14:11	01/09/25 17:13	1
Nitrobenzene-d5 (Surr)	86		37 - 147	01/08/25 14:11	01/09/25 17:13	1
2-Fluorobiphenyl (Surr)	84		43 - 145	01/08/25 14:11	01/09/25 17:13	1
2,4,6-Tribromophenol (Surr)	74		31 - 143	01/08/25 14:11	01/09/25 17:13	1
Terphenyl-d14 (Surr)	98		42 - 157	01/08/25 14:11	01/09/25 17:13	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Arsenic	9.7		0.56	0.19	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Barium	45		0.56	0.064	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Beryllium	0.66		0.23	0.053	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Boron	12		2.8	0.26	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Cadmium	0.031	J	0.11	0.020	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Calcium	50000	B	56	9.5	mg/Kg	☆	01/09/25 08:55	01/10/25 18:20	5
Chromium	16		0.56	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Cobalt	12		0.28	0.074	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Copper	20		0.56	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Iron	21000		11	5.9	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Lead	13		1.4	0.65	mg/Kg	☆	01/09/25 08:55	01/10/25 18:20	5
Magnesium	24000		5.6	2.8	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Manganese	400		0.56	0.082	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Nickel	30		0.56	0.16	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Potassium	2500		28	10	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Silver	0.93		0.28	0.073	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Sodium	1500		56	8.3	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Thallium	2.6		0.56	0.28	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Vanadium	22		0.28	0.066	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1
Zinc	73		1.1	0.49	mg/Kg	☆	01/09/25 08:55	01/09/25 17:36	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.32	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 18:16	1
Boron	0.14	J	0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:16	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.7

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0046	J	0.0050	0.0020	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Chromium	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Cobalt	0.018	J	0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Iron	1.2	B	0.40	0.20	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Lead	<0.0075		0.0075	0.0075	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Manganese	3.8		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Nickel	0.046		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Selenium	<0.050		0.050	0.020	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Silver	<0.025		0.025	0.010	mg/L	—	01/16/25 16:28	01/17/25 18:16	1
Zinc	<0.50		0.50	0.020	mg/L	—	01/16/25 16:28	01/17/25 18:16	1

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.96		0.025	0.010	mg/L	—	01/16/25 14:30	01/17/25 17:13	1

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L	—	01/16/25 16:28	01/20/25 22:36	1
Thallium	<0.0020		0.0020	0.00057	mg/L	—	01/16/25 16:28	01/20/25 22:36	1

Method: SW846 7470A - Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L	—	01/20/25 10:40	01/21/25 10:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0076	mg/Kg	☆	01/17/25 15:10	01/20/25 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU	—		01/09/25 10:14	1

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

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

QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

GC/MS VOA

Analysis Batch: 802216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	8260D	802252
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	8260D	802252
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	8260D	802252
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	8260D	802252
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	8260D	802252
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	8260D	802252
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	8260D	802252
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	8260D	802252
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	8260D	802252
MB 500-802216/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-802216/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-802216/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Prep Batch: 802252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	5035	
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	5035	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	5035	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	5035	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	5035	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	5035	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	5035	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	5035	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 802149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	3546	
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	3546	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	3546	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	3546	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	3546	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	3546	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	3546	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	3546	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	3546	
MB 500-802149/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-802149/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 802303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	8270E	802149
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	8270E	802149
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	8270E	802149
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	8270E	802149
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	8270E	802149
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	8270E	802149
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	8270E	802149
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	8270E	802149

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

GC/MS Semi VOA (Continued)

Analysis Batch: 802303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	8270E	802149
MB 500-802149/1-A	Method Blank	Total/NA	Solid	8270E	802149
LCS 500-802149/2-A	Lab Control Sample	Total/NA	Solid	8270E	802149

Metals

Prep Batch: 802267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	3050B	802267
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	3050B	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	3050B	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	3050B	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	3050B	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	3050B	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	3050B	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	3050B	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	3050B	
MB 500-802267/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-802267/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 802394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	6010D	802267
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	6010D	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	6010D	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	6010D	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	6010D	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	6010D	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	6010D	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	6010D	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	6010D	
MB 500-802267/1-A	Method Blank	Total/NA	Solid	6010D	
LCS 500-802267/2-A	Lab Control Sample	Total/NA	Solid	6010D	

Analysis Batch: 802596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	6010D	802267
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	6010D	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	6010D	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	6010D	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	6010D	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	6010D	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	6010D	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	6010D	
MB 500-802267/1-A	Method Blank	Total/NA	Solid	6010D	
LCS 500-802267/2-A	Lab Control Sample	Total/NA	Solid	6010D	

Leach Batch: 803023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	1311	803023
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	1311	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Metals (Continued)

Leach Batch: 803023 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	1311	
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	1311	
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	1311	
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	1311	
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	1311	
LB 500-803023/1-B	Method Blank	TCLP	Solid	1311	
LB 500-803023/1-C	Method Blank	TCLP	Solid	1311	
500-262417-1 MS	3743V-04-B02 (0-2)	TCLP	Solid	1311	
500-262417-1 DU	3743V-04-B02 (0-2)	TCLP	Solid	1311	

Leach Batch: 803024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	SPLP East	Solid	1312	
500-262417-2	3743V-04-B03 (0-7)	SPLP East	Solid	1312	
500-262417-3	3743V-04-B05 (0-7)	SPLP East	Solid	1312	
500-262417-4	3743V-04-B07 (0-2)	SPLP East	Solid	1312	
500-262417-5	3743V-04-B08 (0-2)	SPLP East	Solid	1312	
500-262417-6	3743V-04-B06 (0-7)	SPLP East	Solid	1312	
500-262417-7	3743V-04-B04 (0-7)	SPLP East	Solid	1312	
500-262417-8	3743V-04-B04 (0-7)D	SPLP East	Solid	1312	
500-262417-9	3743V-04-B01 (0-2)	SPLP East	Solid	1312	
LB 500-803024/1-B	Method Blank	SPLP East	Solid	1312	

Leach Batch: 803039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	1311	
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	1311	
LB2 500-803039/1-B	Method Blank	TCLP	Solid	1311	
LB2 500-803039/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 803150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	1311	
LB 500-803150/1-B	Method Blank	TCLP	Solid	1311	
LB 500-803150/1-C	Method Blank	TCLP	Solid	1311	
500-262417-8 MS	3743V-04-B04 (0-7)D	TCLP	Solid	1311	
500-262417-8 DU	3743V-04-B04 (0-7)D	TCLP	Solid	1311	

Prep Batch: 803179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	3010A	803023
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	3010A	803023
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	3010A	803023
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	3010A	803023
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	3010A	803039
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	3010A	803023
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	3010A	803023
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	3010A	803039
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	3010A	803023
LB 500-803023/1-B	Method Blank	TCLP	Solid	3010A	803023
LB2 500-803039/1-B	Method Blank	TCLP	Solid	3010A	803039

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Metals (Continued)

Prep Batch: 803179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-803179/13-A	Lab Control Sample	Total/NA	Solid	3010A	
LCS 500-803179/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-262417-1 MS	3743V-04-B02 (0-2)	TCLP	Solid	3010A	803023
500-262417-1 DU	3743V-04-B02 (0-2)	TCLP	Solid	3010A	803023

Prep Batch: 803180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	SPLP East	Solid	3010A	803024
500-262417-2	3743V-04-B03 (0-7)	SPLP East	Solid	3010A	803024
500-262417-3	3743V-04-B05 (0-7)	SPLP East	Solid	3010A	803024
500-262417-4	3743V-04-B07 (0-2)	SPLP East	Solid	3010A	803024
500-262417-5	3743V-04-B08 (0-2)	SPLP East	Solid	3010A	803024
500-262417-6	3743V-04-B06 (0-7)	SPLP East	Solid	3010A	803024
500-262417-7	3743V-04-B04 (0-7)	SPLP East	Solid	3010A	803024
500-262417-8	3743V-04-B04 (0-7)D	SPLP East	Solid	3010A	803024
500-262417-9	3743V-04-B01 (0-2)	SPLP East	Solid	3010A	803024
LB 500-803024/1-B	Method Blank	SPLP East	Solid	3010A	803024
LCS 500-803180/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 803291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	7470A	803023
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	7470A	803023
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	7470A	803023
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	7470A	803023
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	7470A	803023
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	7470A	803023
LB 500-803023/1-C	Method Blank	TCLP	Solid	7470A	803023
MB 500-803291/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-803291/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 803293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	7471B	
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	7471B	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	7471B	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	7471B	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	7471B	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	7471B	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	7471B	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	7471B	
MB 500-803293/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-803293/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-262417-2 MS	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	
500-262417-2 MSD	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	
500-262417-2 DU	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	

Prep Batch: 803323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	3010A	803150

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Metals (Continued)

Prep Batch: 803323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-803150/1-B	Method Blank	TCLP	Solid	3010A	803150
LCS 500-803323/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 803426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	SPLP East	Solid	6010D	803180
500-262417-2	3743V-04-B03 (0-7)	SPLP East	Solid	6010D	803180
500-262417-3	3743V-04-B05 (0-7)	SPLP East	Solid	6010D	803180
500-262417-4	3743V-04-B07 (0-2)	SPLP East	Solid	6010D	803180
500-262417-5	3743V-04-B08 (0-2)	SPLP East	Solid	6010D	803180
500-262417-6	3743V-04-B06 (0-7)	SPLP East	Solid	6010D	803180
500-262417-7	3743V-04-B04 (0-7)	SPLP East	Solid	6010D	803180
500-262417-8	3743V-04-B04 (0-7)D	SPLP East	Solid	6010D	803180
500-262417-9	3743V-04-B01 (0-2)	SPLP East	Solid	6010D	803180
LB 500-803024/1-B	Method Blank	SPLP East	Solid	6010D	803180
LCS 500-803180/2-A	Lab Control Sample	Total/NA	Solid	6010D	803180

Analysis Batch: 803427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	6010D	803179
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	6010D	803179
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	6010D	803179
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	6010D	803179
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	6010D	803179
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	6010D	803179
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	6010D	803179
LB 500-803023/1-B	Method Blank	TCLP	Solid	6010D	803179
LB2 500-803039/1-B	Method Blank	TCLP	Solid	6010D	803179
LCS 500-803179/13-A	Lab Control Sample	Total/NA	Solid	6010D	803179
LCS 500-803179/2-A	Lab Control Sample	Total/NA	Solid	6010D	803179
500-262417-1 MS	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179
500-262417-1 DU	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179

Analysis Batch: 803476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	7471B	803293
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	803293
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	7471B	803293
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	7471B	803293
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	7471B	803293
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	7471B	803293
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	7471B	803293
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	7471B	803293
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	7471B	803293
MB 500-803293/12-A	Method Blank	Total/NA	Solid	7471B	803293
LCS 500-803293/13-A	Lab Control Sample	Total/NA	Solid	7471B	803293
500-262417-2 MS	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	803293
500-262417-2 MSD	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	803293
500-262417-2 DU	3743V-04-B03 (0-7)	Total/NA	Solid	7471B	803293

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Metals

Analysis Batch: 803489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	7470A	803291
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	7470A	803291
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	7470A	803291
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	7470A	803291
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	7470A	803291
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	7470A	803291
LB 500-803023/1-C	Method Blank	TCLP	Solid	7470A	803291
MB 500-803291/12-A	Method Blank	Total/NA	Solid	7470A	803291
LCS 500-803291/14-A	Lab Control Sample	Total/NA	Solid	7470A	803291

Prep Batch: 803491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	7470A	803039
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803150
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	7470A	803039
LB 500-803150/1-C	Method Blank	TCLP	Solid	7470A	803150
LB2 500-803039/1-C	Method Blank	TCLP	Solid	7470A	803039
MB 500-803491/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-803491/14-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 500-803491/33-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
500-262417-8 MS	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803150
500-262417-8 DU	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803150

Analysis Batch: 803532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	6010D	803323
LB 500-803150/1-B	Method Blank	TCLP	Solid	6010D	803323
LCS 500-803323/2-A	Lab Control Sample	Total/NA	Solid	6010D	803323

Analysis Batch: 803610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	6010D	803179
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	6010D	803179
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	6010D	803179
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	6010D	803179
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	6010D	803179
LB 500-803023/1-B	Method Blank	TCLP	Solid	6010D	803179
LCS 500-803179/2-A	Lab Control Sample	Total/NA	Solid	6010D	803179
500-262417-1 MS	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179
500-262417-1 DU	3743V-04-B02 (0-2)	TCLP	Solid	6010D	803179

Analysis Batch: 803623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	TCLP	Solid	6020B	803179
500-262417-2	3743V-04-B03 (0-7)	TCLP	Solid	6020B	803179
500-262417-3	3743V-04-B05 (0-7)	TCLP	Solid	6020B	803179
500-262417-4	3743V-04-B07 (0-2)	TCLP	Solid	6020B	803179
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	6020B	803179
500-262417-6	3743V-04-B06 (0-7)	TCLP	Solid	6020B	803179
500-262417-7	3743V-04-B04 (0-7)	TCLP	Solid	6020B	803179

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Metals (Continued)

Analysis Batch: 803623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	6020B	803323
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	6020B	803179
LB 500-803023/1-B	Method Blank	TCLP	Solid	6020B	803179
LB 500-803150/1-B	Method Blank	TCLP	Solid	6020B	803323
LB2 500-803039/1-B	Method Blank	TCLP	Solid	6020B	803179
LCS 500-803179/13-A	Lab Control Sample	Total/NA	Solid	6020B	803179
LCS 500-803179/2-A	Lab Control Sample	Total/NA	Solid	6020B	803179
LCS 500-803323/2-A	Lab Control Sample	Total/NA	Solid	6020B	803323
500-262417-1 MS	3743V-04-B02 (0-2)	TCLP	Solid	6020B	803179
500-262417-1 DU	3743V-04-B02 (0-2)	TCLP	Solid	6020B	803179

Analysis Batch: 803650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-5	3743V-04-B08 (0-2)	TCLP	Solid	7470A	803491
500-262417-8	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803491
500-262417-9	3743V-04-B01 (0-2)	TCLP	Solid	7470A	803491
LB 500-803150/1-C	Method Blank	TCLP	Solid	7470A	803491
LB2 500-803039/1-C	Method Blank	TCLP	Solid	7470A	803491
MB 500-803491/12-A	Method Blank	Total/NA	Solid	7470A	803491
LCS 500-803491/14-A	Lab Control Sample	Total/NA	Solid	7470A	803491
LCSD 500-803491/33-A	Lab Control Sample Dup	Total/NA	Solid	7470A	803491
500-262417-8 MS	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803491
500-262417-8 DU	3743V-04-B04 (0-7)D	TCLP	Solid	7470A	803491

General Chemistry

Analysis Batch: 802135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	Moisture	
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	Moisture	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	Moisture	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	Moisture	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	Moisture	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	Moisture	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	Moisture	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	Moisture	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	Moisture	
500-262417-1 DU	3743V-04-B02 (0-2)	Total/NA	Solid	Moisture	

Analysis Batch: 802295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262417-1	3743V-04-B02 (0-2)	Total/NA	Solid	9045D	
500-262417-2	3743V-04-B03 (0-7)	Total/NA	Solid	9045D	
500-262417-3	3743V-04-B05 (0-7)	Total/NA	Solid	9045D	
500-262417-4	3743V-04-B07 (0-2)	Total/NA	Solid	9045D	
500-262417-5	3743V-04-B08 (0-2)	Total/NA	Solid	9045D	
500-262417-6	3743V-04-B06 (0-7)	Total/NA	Solid	9045D	
500-262417-7	3743V-04-B04 (0-7)	Total/NA	Solid	9045D	
500-262417-8	3743V-04-B04 (0-7)D	Total/NA	Solid	9045D	
500-262417-9	3743V-04-B01 (0-2)	Total/NA	Solid	9045D	
LCS 500-802295/2	Lab Control Sample	Total/NA	Solid	9045D	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

General Chemistry (Continued)

Analysis Batch: 802295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 500-802295/3	Lab Control Sample Dup	Total/NA	Solid	9045D	
500-262417-1 DU	3743V-04-B02 (0-2)	Total/NA	Solid	9045D	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (75-131)	DBFM (75-126)	DCA (70-134)	TOL (75-124)
500-262417-1	3743V-04-B02 (0-2)	100	95	94	99
500-262417-2	3743V-04-B03 (0-7)	101	94	96	99
500-262417-3	3743V-04-B05 (0-7)	103	93	95	100
500-262417-4	3743V-04-B07 (0-2)	100	95	94	100
500-262417-5	3743V-04-B08 (0-2)	100	96	100	100
500-262417-6	3743V-04-B06 (0-7)	103	92	94	98
500-262417-7	3743V-04-B04 (0-7)	101	96	95	99
500-262417-8	3743V-04-B04 (0-7)D	101	96	98	99
500-262417-9	3743V-04-B01 (0-2)	100	93	96	100
LCS 500-802216/4	Lab Control Sample	91	104	102	100
LCSD 500-802216/5	Lab Control Sample Dup	99	103	100	101
MB 500-802216/7	Method Blank	103	98	103	99

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		2FP (31-166)	PHL (30-153)	NBZ (37-147)	FBP (43-145)	TBP (31-143)	TPHL (42-157)
500-262417-1	3743V-04-B02 (0-2)	84	83	83	85	71	85
500-262417-2	3743V-04-B03 (0-7)	94	88	92	87	81	95
500-262417-3	3743V-04-B05 (0-7)	88	84	85	85	77	98
500-262417-4	3743V-04-B07 (0-2)	79	79	77	81	66	84
500-262417-5	3743V-04-B08 (0-2)	92	87	87	86	78	98
500-262417-6	3743V-04-B06 (0-7)	103	101	96	100	84	110
500-262417-7	3743V-04-B04 (0-7)	89	86	90	84	71	98
500-262417-8	3743V-04-B04 (0-7)D	92	89	92	89	74	102
500-262417-9	3743V-04-B01 (0-2)	89	86	86	84	74	98
LCS 500-802149/2-A	Lab Control Sample	96	93	94	90	92	101
MB 500-802149/1-A	Method Blank	100	93	96	91	78	107

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-802216/7

Matrix: Solid

Analysis Batch: 802216

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0084	mg/Kg			01/09/25 11:01	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			01/09/25 11:01	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			01/09/25 11:01	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			01/09/25 11:01	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			01/09/25 11:01	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			01/09/25 11:01	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			01/09/25 11:01	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			01/09/25 11:01	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			01/09/25 11:01	1
Chloroethane	<0.0050		0.0050	0.0016	mg/Kg			01/09/25 11:01	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			01/09/25 11:01	1
Chloromethane	<0.0050		0.0050	0.00097	mg/Kg			01/09/25 11:01	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			01/09/25 11:01	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00080	mg/Kg			01/09/25 11:01	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			01/09/25 11:01	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			01/09/25 11:01	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			01/09/25 11:01	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			01/09/25 11:01	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			01/09/25 11:01	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00096	mg/Kg			01/09/25 11:01	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			01/09/25 11:01	1
2-Hexanone	<0.0050		0.0050	0.0030	mg/Kg			01/09/25 11:01	1
Methylene Chloride	<0.0050		0.0050	0.0021	mg/Kg			01/09/25 11:01	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0036	mg/Kg			01/09/25 11:01	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			01/09/25 11:01	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			01/09/25 11:01	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00099	mg/Kg			01/09/25 11:01	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			01/09/25 11:01	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			01/09/25 11:01	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			01/09/25 11:01	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00096	mg/Kg			01/09/25 11:01	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00081	mg/Kg			01/09/25 11:01	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			01/09/25 11:01	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			01/09/25 11:01	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			01/09/25 11:01	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			01/09/25 11:01	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			01/09/25 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		75 - 131		01/09/25 11:01	1
Dibromofluoromethane	98		75 - 126		01/09/25 11:01	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134		01/09/25 11:01	1
Toluene-d8 (Surr)	99		75 - 124		01/09/25 11:01	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-802216/4

Matrix: Solid

Analysis Batch: 802216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0500	0.0476		mg/Kg		95	40 - 150
Benzene	0.0500	0.0433		mg/Kg		87	70 - 125
Bromodichloromethane	0.0500	0.0445		mg/Kg		89	67 - 129
Bromoform	0.0500	0.0429		mg/Kg		86	68 - 136
Bromomethane	0.0500	0.0438		mg/Kg		88	70 - 130
2-Butanone (MEK)	0.0500	0.0512		mg/Kg		102	47 - 138
Carbon disulfide	0.0500	0.0464		mg/Kg		93	70 - 129
Carbon tetrachloride	0.0500	0.0477		mg/Kg		95	75 - 125
Chlorobenzene	0.0500	0.0427		mg/Kg		85	50 - 150
Chloroethane	0.0500	0.0388		mg/Kg		78	75 - 125
Chloroform	0.0500	0.0434		mg/Kg		87	57 - 135
Chloromethane	0.0500	0.0448		mg/Kg		90	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0443		mg/Kg		89	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0463		mg/Kg		93	70 - 125
Dibromochloromethane	0.0500	0.0439		mg/Kg		88	69 - 125
1,1-Dichloroethane	0.0500	0.0448		mg/Kg		90	70 - 125
1,2-Dichloroethane	0.0500	0.0432		mg/Kg		86	70 - 130
1,1-Dichloroethene	0.0500	0.0438		mg/Kg		88	70 - 120
1,2-Dichloropropane	0.0500	0.0434		mg/Kg		87	70 - 125
Ethylbenzene	0.0500	0.0436		mg/Kg		87	61 - 136
2-Hexanone	0.0500	0.0508		mg/Kg		102	48 - 146
Methylene Chloride	0.0500	0.0384		mg/Kg		77	70 - 126
4-Methyl-2-pentanone (MIBK)	0.0500	0.0506		mg/Kg		101	50 - 148
Methyl tert-butyl ether	0.0500	0.0437		mg/Kg		87	50 - 140
Styrene	0.0500	0.0435		mg/Kg		87	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0369		mg/Kg		74	70 - 122
Tetrachloroethene	0.0500	0.0429		mg/Kg		86	70 - 124
Toluene	0.0500	0.0432		mg/Kg		86	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0459		mg/Kg		92	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0449		mg/Kg		90	70 - 125
1,1,1-Trichloroethane	0.0500	0.0468		mg/Kg		94	70 - 128
1,1,2-Trichloroethane	0.0500	0.0405		mg/Kg		81	70 - 125
Trichloroethene	0.0500	0.0434		mg/Kg		87	70 - 125
Vinyl acetate	0.0500	0.0400		mg/Kg		80	40 - 153
Vinyl chloride	0.0500	0.0427		mg/Kg		85	70 - 125
Xylenes, Total	0.100	0.0864		mg/Kg		86	53 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		75 - 131
Dibromofluoromethane	104		75 - 126
1,2-Dichloroethane-d4 (Surr)	102		70 - 134
Toluene-d8 (Surr)	100		75 - 124

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 500-802216/5

Matrix: Solid

Analysis Batch: 802216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	0.0500	0.0413		mg/Kg		83	40 - 150	14	30
Benzene	0.0500	0.0465		mg/Kg		93	70 - 125	7	30
Bromodichloromethane	0.0500	0.0482		mg/Kg		96	67 - 129	8	30
Bromoform	0.0500	0.0470		mg/Kg		94	68 - 136	9	30
Bromomethane	0.0500	0.0429		mg/Kg		86	70 - 130	2	30
2-Butanone (MEK)	0.0500	0.0426		mg/Kg		85	47 - 138	18	30
Carbon disulfide	0.0500	0.0502		mg/Kg		100	70 - 129	8	30
Carbon tetrachloride	0.0500	0.0507		mg/Kg		101	75 - 125	6	30
Chlorobenzene	0.0500	0.0466		mg/Kg		93	50 - 150	9	30
Chloroethane	0.0500	0.0377		mg/Kg		75	75 - 125	3	30
Chloroform	0.0500	0.0465		mg/Kg		93	57 - 135	7	30
Chloromethane	0.0500	0.0416		mg/Kg		83	70 - 125	7	30
cis-1,2-Dichloroethene	0.0500	0.0474		mg/Kg		95	70 - 125	7	30
cis-1,3-Dichloropropene	0.0500	0.0511		mg/Kg		102	70 - 125	10	30
Dibromochloromethane	0.0500	0.0482		mg/Kg		96	69 - 125	9	30
1,1-Dichloroethane	0.0500	0.0484		mg/Kg		97	70 - 125	8	30
1,2-Dichloroethane	0.0500	0.0459		mg/Kg		92	70 - 130	6	30
1,1-Dichloroethene	0.0500	0.0476		mg/Kg		95	70 - 120	8	30
1,2-Dichloropropane	0.0500	0.0467		mg/Kg		93	70 - 125	7	30
Ethylbenzene	0.0500	0.0482		mg/Kg		96	61 - 136	10	30
2-Hexanone	0.0500	0.0425		mg/Kg		85	48 - 146	18	30
Methylene Chloride	0.0500	0.0418		mg/Kg		84	70 - 126	8	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0422		mg/Kg		84	50 - 148	18	30
Methyl tert-butyl ether	0.0500	0.0463		mg/Kg		93	50 - 140	6	30
Styrene	0.0500	0.0474		mg/Kg		95	70 - 125	8	30
1,1,2,2-Tetrachloroethane	0.0500	0.0439		mg/Kg		88	70 - 122	17	30
Tetrachloroethene	0.0500	0.0467		mg/Kg		93	70 - 124	9	30
Toluene	0.0500	0.0466		mg/Kg		93	70 - 125	8	30
trans-1,2-Dichloroethene	0.0500	0.0485		mg/Kg		97	70 - 125	6	30
trans-1,3-Dichloropropene	0.0500	0.0502		mg/Kg		100	70 - 125	11	30
1,1,1-Trichloroethane	0.0500	0.0507		mg/Kg		101	70 - 128	8	30
1,1,2-Trichloroethane	0.0500	0.0443		mg/Kg		89	70 - 125	9	30
Trichloroethene	0.0500	0.0471		mg/Kg		94	70 - 125	8	30
Vinyl acetate	0.0500	0.0408		mg/Kg		82	40 - 153	2	30
Vinyl chloride	0.0500	0.0409		mg/Kg		82	70 - 125	4	30
Xylenes, Total	0.100	0.0951		mg/Kg		95	53 - 147	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		75 - 131
Dibromofluoromethane	103		75 - 126
1,2-Dichloroethane-d4 (Surr)	100		70 - 134
Toluene-d8 (Surr)	101		75 - 124

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: MB 500-802149/1-A

Matrix: Solid

Analysis Batch: 802303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.024	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
1,2-Dichlorobenzene	<0.17		0.17	0.014	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
1,3-Dichlorobenzene	<0.17		0.17	0.015	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
1,4-Dichlorobenzene	<0.17		0.17	0.016	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.024	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4,5-Trichlorophenol	<0.33		0.33	0.013	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4,6-Trichlorophenol	<0.33		0.33	0.011	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4-Dichlorophenol	<0.33		0.33	0.012	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4-Dimethylphenol	<0.33		0.33	0.074	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4-Dinitrophenol	<0.67		0.67	0.19	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,4-Dinitrotoluene	<0.17		0.17	0.019	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2,6-Dinitrotoluene	<0.17		0.17	0.011	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Chloronaphthalene	<0.17		0.17	0.012	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Chlorophenol	<0.17		0.17	0.011	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Methylnaphthalene	<0.067		0.067	0.0067	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Methylphenol	<0.17		0.17	0.018	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Nitroaniline	<0.17		0.17	0.018	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
2-Nitrophenol	<0.33		0.33	0.023	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
3 & 4 Methylphenol	<0.17		0.17	0.024	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.027	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
3-Nitroaniline	<0.33		0.33	0.015	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.19	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.023	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Chloro-3-methylphenol	<0.33		0.33	0.013	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Chloroaniline	<0.67		0.67	0.35	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Nitroaniline	<0.33		0.33	0.025	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
4-Nitrophenol	<0.67		0.67	0.12	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Acenaphthene	<0.033		0.033	0.0068	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Acenaphthylene	<0.033		0.033	0.0056	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Anthracene	<0.033		0.033	0.0068	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Benzo[a]anthracene	<0.033		0.033	0.0070	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Benzo[a]pyrene	<0.033		0.033	0.032	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Benzo[b]fluoranthene	<0.033		0.033	0.032	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Benzo[g,h,i]perylene	<0.033		0.033	0.0072	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Benzo[k]fluoranthene	<0.033		0.033	0.013	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.012	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.015	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.13	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Butyl benzyl phthalate	<0.17		0.17	0.017	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Carbazole	<0.17		0.17	0.013	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Chrysene	<0.033		0.033	0.0088	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Dibenz(a,h)anthracene	<0.033		0.033	0.033	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Dibenzofuran	<0.17		0.17	0.012	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Diethyl phthalate	<0.17		0.17	0.015	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Dimethyl phthalate	<0.17		0.17	0.0072	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Di-n-butyl phthalate	<0.17		0.17	0.011	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Di-n-octyl phthalate	<0.33		0.33	0.23	mg/Kg		01/08/25 14:11	01/09/25 12:42	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: MB 500-802149/1-A

Matrix: Solid

Analysis Batch: 802303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.033		0.033	0.0077	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Fluorene	<0.033		0.033	0.0098	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Hexachlorobenzene	<0.067		0.067	0.0064	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Hexachlorobutadiene	<0.17		0.17	0.019	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Hexachlorocyclopentadiene	<0.67		0.67	0.35	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Hexachloroethane	<0.17		0.17	0.017	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.032	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Isophorone	<0.17		0.17	0.017	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Naphthalene	<0.033		0.033	0.0060	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Nitrobenzene	<0.033		0.033	0.011	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.0066	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
N-Nitrosodiphenylamine	<0.17		0.17	0.020	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Pentachlorophenol	<0.67		0.67	0.083	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Phenanthrene	<0.033		0.033	0.0072	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Phenol	<0.17		0.17	0.014	mg/Kg		01/08/25 14:11	01/09/25 12:42	1
Pyrene	<0.033		0.033	0.0091	mg/Kg		01/08/25 14:11	01/09/25 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	100		31 - 166	01/08/25 14:11	01/09/25 12:42	1
Phenol-d5 (Surr)	93		30 - 153	01/08/25 14:11	01/09/25 12:42	1
Nitrobenzene-d5 (Surr)	96		37 - 147	01/08/25 14:11	01/09/25 12:42	1
2-Fluorobiphenyl (Surr)	91		43 - 145	01/08/25 14:11	01/09/25 12:42	1
2,4,6-Tribromophenol (Surr)	78		31 - 143	01/08/25 14:11	01/09/25 12:42	1
Terphenyl-d14 (Surr)	107		42 - 157	01/08/25 14:11	01/09/25 12:42	1

Lab Sample ID: LCS 500-802149/2-A

Matrix: Solid

Analysis Batch: 802303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	3.33	2.91		mg/Kg		87	49 - 100
1,2-Dichlorobenzene	3.33	2.75		mg/Kg		83	47 - 94
1,3-Dichlorobenzene	3.33	2.79		mg/Kg		84	47 - 92
1,4-Dichlorobenzene	3.33	2.77		mg/Kg		83	46 - 92
2,2'-oxybis[1-chloropropane]	3.33	3.27		mg/Kg		98	43 - 111
2,4,5-Trichlorophenol	3.33	2.93		mg/Kg		88	48 - 121
2,4,6-Trichlorophenol	3.33	2.95		mg/Kg		88	50 - 121
2,4-Dichlorophenol	3.33	2.87		mg/Kg		86	51 - 109
2,4-Dimethylphenol	3.33	2.98		mg/Kg		89	48 - 93
2,4-Dinitrophenol	6.67	3.94		mg/Kg		59	10 - 130
2,4-Dinitrotoluene	3.33	2.75		mg/Kg		82	65 - 120
2,6-Dinitrotoluene	3.33	2.96		mg/Kg		89	66 - 117
2-Chloronaphthalene	3.33	2.99		mg/Kg		90	60 - 107
2-Chlorophenol	3.33	2.89		mg/Kg		87	50 - 102
2-Methylnaphthalene	3.33	2.88		mg/Kg		86	58 - 103
2-Methylphenol	3.33	2.68		mg/Kg		81	50 - 104
2-Nitroaniline	3.33	3.33		mg/Kg		100	61 - 126
2-Nitrophenol	3.33	2.97		mg/Kg		89	41 - 114

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LCS 500-802149/2-A

Matrix: Solid

Analysis Batch: 802303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3 & 4 Methylphenol	3.33	2.82		mg/Kg		85	49 - 109
3,3'-Dichlorobenzidine	3.33	2.40		mg/Kg		72	36 - 131
3-Nitroaniline	3.33	2.51		mg/Kg		75	44 - 124
4,6-Dinitro-2-methylphenol	6.67	5.59		mg/Kg		84	36 - 138
4-Bromophenyl phenyl ether	3.33	3.22		mg/Kg		97	57 - 124
4-Chloro-3-methylphenol	3.33	3.02		mg/Kg		91	57 - 113
4-Chloroaniline	3.33	2.24		mg/Kg		67	22 - 110
4-Chlorophenyl phenyl ether	3.33	2.74		mg/Kg		82	60 - 112
4-Nitroaniline	3.33	2.62		mg/Kg		79	60 - 115
4-Nitrophenol	6.67	4.95		mg/Kg		74	45 - 126
Acenaphthene	3.33	2.90		mg/Kg		87	63 - 109
Acenaphthylene	3.33	3.01		mg/Kg		90	61 - 115
Anthracene	3.33	2.99		mg/Kg		90	68 - 120
Benzo[a]anthracene	3.33	2.98		mg/Kg		89	70 - 121
Benzo[a]pyrene	3.33	3.03		mg/Kg		91	73 - 132
Benzo[b]fluoranthene	3.33	3.17		mg/Kg		95	68 - 123
Benzo[g,h,i]perylene	3.33	3.25		mg/Kg		97	65 - 126
Benzo[k]fluoranthene	3.33	3.06		mg/Kg		92	64 - 128
Bis(2-chloroethoxy)methane	3.33	3.02		mg/Kg		91	54 - 102
Bis(2-chloroethyl)ether	3.33	2.97		mg/Kg		89	49 - 99
Bis(2-ethylhexyl) phthalate	3.33	3.00		mg/Kg		90	70 - 139
Butyl benzyl phthalate	3.33	3.14		mg/Kg		94	65 - 140
Carbazole	3.33	2.81		mg/Kg		84	68 - 120
Chrysene	3.33	3.12		mg/Kg		94	70 - 123
Dibenz(a,h)anthracene	3.33	3.25		mg/Kg		98	66 - 125
Dibenzofuran	3.33	2.78		mg/Kg		83	64 - 112
Diethyl phthalate	3.33	2.83		mg/Kg		85	66 - 115
Dimethyl phthalate	3.33	2.85		mg/Kg		85	65 - 114
Di-n-butyl phthalate	3.33	2.89		mg/Kg		87	69 - 125
Di-n-octyl phthalate	3.33	2.47		mg/Kg		74	61 - 131
Fluoranthene	3.33	2.72		mg/Kg		82	66 - 123
Fluorene	3.33	2.84		mg/Kg		85	62 - 113
Hexachlorobenzene	3.33	3.24		mg/Kg		97	52 - 126
Hexachlorobutadiene	3.33	2.96		mg/Kg		89	42 - 103
Hexachlorocyclopentadiene	3.33	2.28		mg/Kg		68	10 - 100
Hexachloroethane	3.33	2.85		mg/Kg		85	45 - 95
Indeno[1,2,3-cd]pyrene	3.33	3.31		mg/Kg		99	66 - 131
Isophorone	3.33	3.05		mg/Kg		92	47 - 108
Naphthalene	3.33	2.91		mg/Kg		87	54 - 98
Nitrobenzene	3.33	3.19		mg/Kg		96	52 - 105
N-Nitrosodi-n-propylamine	3.33	3.09		mg/Kg		93	48 - 110
N-Nitrosodiphenylamine	3.33	3.21		mg/Kg		96	67 - 112
Pentachlorophenol	6.67	5.72		mg/Kg		86	32 - 128
Phenanthrene	3.33	2.96		mg/Kg		89	65 - 115
Phenol	3.33	2.99		mg/Kg		90	52 - 110
Pyrene	3.33	3.39		mg/Kg		102	71 - 128

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LCS 500-802149/2-A

Matrix: Solid

Analysis Batch: 802303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	96		31 - 166
Phenol-d5 (Surr)	93		30 - 153
Nitrobenzene-d5 (Surr)	94		37 - 147
2-Fluorobiphenyl (Surr)	90		43 - 145
2,4,6-Tribromophenol (Surr)	92		31 - 143
Terphenyl-d14 (Surr)	101		42 - 157

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 500-802267/1-A

Matrix: Solid

Analysis Batch: 802394

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<2.0		2.0	0.39	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Arsenic	<1.0		1.0	0.34	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Barium	<1.0		1.0	0.11	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Beryllium	<0.40		0.40	0.093	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Boron	<5.0		5.0	0.47	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Cadmium	<0.20		0.20	0.036	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Chromium	<1.0		1.0	0.50	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Cobalt	<0.50		0.50	0.13	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Copper	<1.0		1.0	0.28	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Iron	<20		20	10	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Lead	<0.50		0.50	0.23	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Magnesium	<10		10	5.0	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Nickel	<1.0		1.0	0.29	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Potassium	<50		50	18	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Selenium	<1.0		1.0	0.59	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Silver	<0.50		0.50	0.13	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Sodium	<100		100	15	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Thallium	<1.0		1.0	0.50	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Vanadium	<0.50		0.50	0.12	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Zinc	<2.0		2.0	0.88	mg/Kg		01/09/25 08:55	01/09/25 16:00	1
Manganese	<1.0		1.0	0.15	mg/Kg		01/09/25 08:55	01/09/25 16:00	1

Lab Sample ID: MB 500-802267/1-A

Matrix: Solid

Analysis Batch: 802596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	10.6	J	20	3.4	mg/Kg		01/09/25 08:55	01/10/25 17:32	1

Lab Sample ID: LCS 500-802267/2-A

Matrix: Solid

Analysis Batch: 802394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	50.3		mg/Kg		101	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LCS 500-802267/2-A

Matrix: Solid

Analysis Batch: 802394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.0	10.2		mg/Kg		102	80 - 120
Barium	200	209		mg/Kg		105	80 - 120
Beryllium	5.00	5.11		mg/Kg		102	80 - 120
Boron	100	95.2		mg/Kg		95	80 - 120
Cadmium	5.00	4.89		mg/Kg		98	80 - 120
Chromium	20.0	19.0		mg/Kg		95	80 - 120
Cobalt	50.0	50.0		mg/Kg		100	80 - 120
Copper	25.0	25.0		mg/Kg		100	80 - 120
Iron	100	108		mg/Kg		108	80 - 120
Lead	10.0	10.3		mg/Kg		103	80 - 120
Magnesium	1000	1030		mg/Kg		103	80 - 120
Nickel	50.0	51.9		mg/Kg		104	80 - 120
Potassium	1000	1010		mg/Kg		101	80 - 120
Selenium	10.0	9.36		mg/Kg		94	80 - 120
Silver	5.00	4.41		mg/Kg		88	80 - 120
Sodium	1000	1060		mg/Kg		106	80 - 120
Thallium	10.0	10.3		mg/Kg		103	80 - 120
Vanadium	50.0	49.0		mg/Kg		98	80 - 120
Zinc	50.0	50.4		mg/Kg		101	80 - 120
Manganese	50.0	52.5		mg/Kg		105	80 - 120

Lab Sample ID: LCS 500-802267/2-A

Matrix: Solid

Analysis Batch: 802596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	1000	1000		mg/Kg		100	80 - 120

Lab Sample ID: LCS 500-803179/13-A

Matrix: Solid

Analysis Batch: 803427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.510		mg/L		102	80 - 120
Beryllium	0.0500	0.0424		mg/L		85	80 - 120
Boron	1.00	1.09		mg/L		109	80 - 120
Cadmium	0.0500	0.0504		mg/L		101	80 - 120
Chromium	0.200	0.183		mg/L		91	80 - 120
Cobalt	0.500	0.508		mg/L		102	80 - 120
Iron	1.00	0.851		mg/L		85	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Nickel	0.500	0.506		mg/L		101	80 - 120
Selenium	0.100	0.0950		mg/L		95	80 - 120
Silver	0.0500	0.0462		mg/L		92	80 - 120
Zinc	0.500	0.433	J	mg/L		87	80 - 120
Manganese	0.500	0.441		mg/L		88	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LCS 500-803179/2-A

Matrix: Solid

Analysis Batch: 803427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.491	J	mg/L		98	80 - 120
Beryllium	0.0500	0.0457		mg/L		91	80 - 120
Cadmium	0.0500	0.0518		mg/L		104	80 - 120
Chromium	0.200	0.190		mg/L		95	80 - 120
Iron	1.00	0.911		mg/L		91	80 - 120
Lead	0.100	0.109		mg/L		109	80 - 120
Nickel	0.500	0.547		mg/L		109	80 - 120
Selenium	0.100	0.0958		mg/L		96	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120
Zinc	0.500	0.518		mg/L		104	80 - 120
Manganese	0.500	0.456		mg/L		91	80 - 120

Lab Sample ID: LCS 500-803179/2-A

Matrix: Solid

Analysis Batch: 803610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.801		mg/L		80	80 - 120
Cobalt	0.500	0.412		mg/L		82	80 - 120

Lab Sample ID: LCS 500-803180/2-A

Matrix: Solid

Analysis Batch: 803426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.482		mg/L		96	80 - 120

Lab Sample ID: LCS 500-803323/2-A

Matrix: Solid

Analysis Batch: 803532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.502		mg/L		100	80 - 120
Beryllium	0.0500	0.0515		mg/L		103	80 - 120
Boron	1.00	0.876		mg/L		88	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Iron	1.00	0.917		mg/L		92	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Nickel	0.500	0.516		mg/L		103	80 - 120
Selenium	0.100	0.103		mg/L		103	80 - 120
Silver	0.0500	0.0496		mg/L		99	80 - 120
Zinc	0.500	0.572		mg/L		114	80 - 120
Manganese	0.500	0.476		mg/L		95	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LB 500-803023/1-B
Matrix: Solid
Analysis Batch: 803427

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 803179

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.50		0.50	0.050	mg/L		01/16/25 16:28	01/17/25 16:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 16:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/16/25 16:28	01/17/25 16:42	1
Chromium	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 16:42	1
Iron	<0.40		0.40	0.20	mg/L		01/16/25 16:28	01/17/25 16:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/16/25 16:28	01/17/25 16:42	1
Nickel	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 16:42	1
Selenium	<0.050		0.050	0.020	mg/L		01/16/25 16:28	01/17/25 16:42	1
Silver	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 16:42	1
Zinc	<0.50		0.50	0.020	mg/L		01/16/25 16:28	01/17/25 16:42	1
Manganese	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 16:42	1

Lab Sample ID: LB 500-803023/1-B
Matrix: Solid
Analysis Batch: 803610

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 803179

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.50		0.50	0.050	mg/L		01/16/25 16:28	01/20/25 12:30	1
Cobalt	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/20/25 12:30	1

Lab Sample ID: LB2 500-803039/1-B
Matrix: Solid
Analysis Batch: 803427

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 803179

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.50		0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/16/25 16:28	01/17/25 18:07	1
Boron	<0.50		0.50	0.050	mg/L		01/16/25 16:28	01/17/25 18:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/16/25 16:28	01/17/25 18:07	1
Chromium	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 18:07	1
Cobalt	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 18:07	1
Iron	0.247	J	0.40	0.20	mg/L		01/16/25 16:28	01/17/25 18:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/16/25 16:28	01/17/25 18:07	1
Nickel	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 18:07	1
Selenium	<0.050		0.050	0.020	mg/L		01/16/25 16:28	01/17/25 18:07	1
Silver	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 18:07	1
Zinc	<0.50		0.50	0.020	mg/L		01/16/25 16:28	01/17/25 18:07	1
Manganese	<0.025		0.025	0.010	mg/L		01/16/25 16:28	01/17/25 18:07	1

Lab Sample ID: 500-262417-1 MS
Matrix: Solid
Analysis Batch: 803427

Client Sample ID: 3743V-04-B02 (0-2)
Prep Type: TCLP
Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.31	J	0.500	0.830		mg/L		103	75 - 125
Beryllium	<0.0040		0.0500	0.0460		mg/L		92	75 - 125
Cadmium	<0.0050		0.0500	0.0542		mg/L		108	75 - 125
Chromium	<0.025		0.200	0.193		mg/L		97	75 - 125
Iron	3.2	F1	1.00	4.58	F1	mg/L		140	75 - 125

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: 500-262417-1 MS

Matrix: Solid

Analysis Batch: 803427

Client Sample ID: 3743V-04-B02 (0-2)

Prep Type: TCLP

Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.0075		0.100	0.110		mg/L		110	75 - 125
Nickel	0.014	J	0.500	0.556		mg/L		108	75 - 125
Selenium	<0.050		0.100	0.102		mg/L		102	75 - 125
Silver	<0.025		0.0500	0.0494		mg/L		99	75 - 125
Zinc	<0.50		0.500	0.519		mg/L		104	75 - 125
Manganese	4.7		0.500	5.33	4	mg/L		125	75 - 125

Lab Sample ID: 500-262417-1 MS

Matrix: Solid

Analysis Batch: 803610

Client Sample ID: 3743V-04-B02 (0-2)

Prep Type: TCLP

Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<2.5		1.00	1.18	J	mg/L		118	75 - 125
Cobalt	<0.13		0.500	0.626		mg/L		125	75 - 125

Lab Sample ID: 500-262417-1 DU

Matrix: Solid

Analysis Batch: 803427

Client Sample ID: 3743V-04-B02 (0-2)

Prep Type: TCLP

Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	0.31	J	0.316	J	mg/L		1	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
Iron	3.2	F1	3.88		mg/L		20	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Nickel	0.014	J	0.0153	J	mg/L		8	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	<0.50		0.0214	J	mg/L		NC	20
Manganese	4.7		4.74		mg/L		0.5	20

Lab Sample ID: 500-262417-1 DU

Matrix: Solid

Analysis Batch: 803610

Client Sample ID: 3743V-04-B02 (0-2)

Prep Type: TCLP

Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	<2.5		<2.5		mg/L		NC	20
Cobalt	<0.13		<0.13		mg/L		NC	20

Lab Sample ID: LB 500-803150/1-B

Matrix: Solid

Analysis Batch: 803532

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803323

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.50		0.50	0.050	mg/L		01/17/25 14:22	01/20/25 12:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/17/25 14:22	01/20/25 12:44	1
Boron	<0.50		0.50	0.050	mg/L		01/17/25 14:22	01/20/25 12:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/17/25 14:22	01/20/25 12:44	1
Chromium	<0.025		0.025	0.010	mg/L		01/17/25 14:22	01/20/25 12:44	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

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

Lab Sample ID: LB 500-803150/1-B

Matrix: Solid

Analysis Batch: 803532

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803323

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025	0.010	mg/L		01/17/25 14:22	01/20/25 12:44	1
Iron	<0.40		0.40	0.20	mg/L		01/17/25 14:22	01/20/25 12:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/17/25 14:22	01/20/25 12:44	1
Nickel	<0.025		0.025	0.010	mg/L		01/17/25 14:22	01/20/25 12:44	1
Selenium	<0.050		0.050	0.020	mg/L		01/17/25 14:22	01/20/25 12:44	1
Silver	<0.025		0.025	0.010	mg/L		01/17/25 14:22	01/20/25 12:44	1
Zinc	<0.50		0.50	0.020	mg/L		01/17/25 14:22	01/20/25 12:44	1
Manganese	<0.025		0.025	0.010	mg/L		01/17/25 14:22	01/20/25 12:44	1

Lab Sample ID: LB 500-803024/1-B

Matrix: Solid

Analysis Batch: 803426

Client Sample ID: Method Blank

Prep Type: SPLP East

Prep Batch: 803180

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.025		0.025	0.010	mg/L		01/16/25 14:30	01/17/25 16:34	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCS 500-803179/13-A

Matrix: Solid

Analysis Batch: 803623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.524		mg/L		105	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-803179/2-A

Matrix: Solid

Analysis Batch: 803623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.537		mg/L		107	80 - 120
Thallium	0.100	0.0972		mg/L		97	80 - 120

Lab Sample ID: LCS 500-803323/2-A

Matrix: Solid

Analysis Batch: 803623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.534		mg/L		107	80 - 120
Thallium	0.100	0.0958		mg/L		96	80 - 120

Lab Sample ID: LB 500-803023/1-B

Matrix: Solid

Analysis Batch: 803623

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803179

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L		01/16/25 16:28	01/20/25 22:03	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 16:28	01/20/25 22:03	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LB2 500-803039/1-B
Matrix: Solid
Analysis Batch: 803623

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 803179

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L		01/16/25 16:28	01/20/25 22:38	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/16/25 16:28	01/20/25 22:38	1

Lab Sample ID: 500-262417-1 MS
Matrix: Solid
Analysis Batch: 803623

Client Sample ID: 3743V-04-B02 (0-2)
Prep Type: TCLP
Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0060		0.500	0.551		mg/L		110	75 - 125
Thallium	<0.0020		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 500-262417-1 DU
Matrix: Solid
Analysis Batch: 803623

Client Sample ID: 3743V-04-B02 (0-2)
Prep Type: TCLP
Prep Batch: 803179

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0060		<0.0060		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: LB 500-803150/1-B
Matrix: Solid
Analysis Batch: 803623

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 803323

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0013	mg/L		01/17/25 14:22	01/20/25 21:42	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/17/25 14:22	01/20/25 21:42	1

Method: 7470A - Mercury

Lab Sample ID: MB 500-803291/12-A
Matrix: Solid
Analysis Batch: 803489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 803291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/17/25 11:35	01/20/25 09:38	1

Lab Sample ID: LCS 500-803291/14-A
Matrix: Solid
Analysis Batch: 803489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 803291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00197		mg/L		99	80 - 120

Lab Sample ID: MB 500-803491/12-A
Matrix: Solid
Analysis Batch: 803650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 803491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/20/25 10:40	01/21/25 08:58	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 7470A - Mercury (Continued)

Lab Sample ID: LCS 500-803491/14-A

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 803491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00201		mg/L		101	80 - 120

Lab Sample ID: LCSD 500-803491/33-A

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 803491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00200		mg/L		100	80 - 120	0	20

Lab Sample ID: LB 500-803023/1-C

Matrix: Solid

Analysis Batch: 803489

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803291

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/17/25 11:35	01/20/25 10:27	1

Lab Sample ID: LB 500-803150/1-C

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803491

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/20/25 10:40	01/21/25 09:36	1

Lab Sample ID: LB2 500-803039/1-C

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 803491

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/20/25 10:40	01/21/25 09:56	1

Lab Sample ID: 500-262417-8 MS

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: 3743V-04-B04 (0-7)D

Prep Type: TCLP

Prep Batch: 803491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.00101		mg/L		101	75 - 125

Lab Sample ID: 500-262417-8 DU

Matrix: Solid

Analysis Batch: 803650

Client Sample ID: 3743V-04-B04 (0-7)D

Prep Type: TCLP

Prep Batch: 803491

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-803293/12-A
Matrix: Solid
Analysis Batch: 803476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 803293

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0069	mg/Kg		01/17/25 15:10	01/20/25 08:01	1

Lab Sample ID: LCS 500-803293/13-A
Matrix: Solid
Analysis Batch: 803476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 803293

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.169		mg/Kg		102	80 - 120

Lab Sample ID: 500-262417-2 MS
Matrix: Solid
Analysis Batch: 803476

Client Sample ID: 3743V-04-B03 (0-7)
Prep Type: Total/NA
Prep Batch: 803293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.034		0.0938	0.146		mg/Kg	⚠	120	75 - 125

Lab Sample ID: 500-262417-2 MSD
Matrix: Solid
Analysis Batch: 803476

Client Sample ID: 3743V-04-B03 (0-7)
Prep Type: Total/NA
Prep Batch: 803293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.034		0.0943	0.128		mg/Kg	⚠	99	75 - 125	14	20

Lab Sample ID: 500-262417-2 DU
Matrix: Solid
Analysis Batch: 803476

Client Sample ID: 3743V-04-B03 (0-7)
Prep Type: Total/NA
Prep Batch: 803293

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.034		0.0344		mg/Kg	⚠	1	20

Method: 9045D - pH

Lab Sample ID: 500-262417-1 DU
Matrix: Solid
Analysis Batch: 802295

Client Sample ID: 3743V-04-B02 (0-2)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.3		9.4		SU		2	5

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B02 (0-2)

Lab Sample ID: 500-262417-1

Date Collected: 01/08/25 08:55

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 16:39
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 16:51
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 12:48
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:08
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:29
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 09:52
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B02 (0-2)

Lab Sample ID: 500-262417-1

Date Collected: 01/08/25 08:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 15:52
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		2	802303	H7CM	EET CHI	01/09/25 19:39
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 16:53
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 17:40
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:22

Client Sample ID: 3743V-04-B03 (0-7)

Lab Sample ID: 500-262417-2

Date Collected: 01/08/25 09:10

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 16:43
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 17:18

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B03 (0-7)

Lab Sample ID: 500-262417-2

Date Collected: 01/08/25 09:10

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 13:05
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:18
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:31
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 09:57
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B03 (0-7)

Lab Sample ID: 500-262417-2

Date Collected: 01/08/25 09:10

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 16:17
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 15:10
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 16:57
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 17:45
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:24

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 16:47
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 17:22
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 13:25
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:20

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:33
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 09:59
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B05 (0-7)

Lab Sample ID: 500-262417-3

Date Collected: 01/08/25 09:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 16:41
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 15:35
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:01
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 17:49
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:31

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 16:52
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 17:27
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 13:30
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:23
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:35
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:02
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B07 (0-2)

Lab Sample ID: 500-262417-4

Date Collected: 01/08/25 09:40

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 17:06
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		2	802303	H7CM	EET CHI	01/09/25 17:37
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:06
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 17:54
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:33

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 16:56
TCLP	Leach	1311			803039	TJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 18:12
TCLP	Leach	1311			803039	TJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:43
TCLP	Leach	1311			803039	TJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803491	MJG	EET CHI	01/20/25 10:40 - 01/20/25 12:40 ¹
TCLP	Analysis	7470A		1	803650	MJG	EET CHI	01/21/25 10:02
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:04
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 17:31
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 15:59
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:10
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 17:58

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B08 (0-2)

Lab Sample ID: 500-262417-5

Date Collected: 01/08/25 09:55

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:35

Client Sample ID: 3743V-04-B06 (0-7)

Lab Sample ID: 500-262417-6

Date Collected: 01/08/25 10:10

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 17:00
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 17:31
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 13:34
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:26
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:38
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:07
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B06 (0-7)

Lab Sample ID: 500-262417-6

Date Collected: 01/08/25 10:10

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 17:56
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		2	802303	H7CM	EET CHI	01/09/25 18:01
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:15
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 18:02
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:37

Eurofins Chicago

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 17:05
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 17:36
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		5	803610	RB	EET CHI	01/20/25 13:39
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:33
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803291	MJG	EET CHI	01/17/25 11:35 - 01/17/25 13:35 ¹
TCLP	Analysis	7470A		1	803489	MJG	EET CHI	01/20/25 10:40
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:09
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B04 (0-7)

Lab Sample ID: 500-262417-7

Date Collected: 01/08/25 10:25

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 18:20
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 16:24
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:28
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:43

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 17:09
TCLP	Leach	1311			803150	PA	EET CHI	01/16/25 15:38 - 01/17/25 09:38 ¹
TCLP	Prep	3010A			803323	S1Z	EET CHI	01/17/25 14:22 - 01/17/25 20:22 ¹
TCLP	Analysis	6010D		1	803532	SJ	EET CHI	01/20/25 12:48
TCLP	Leach	1311			803150	PA	EET CHI	01/16/25 15:38 - 01/17/25 09:38 ¹
TCLP	Prep	3010A			803323	S1Z	EET CHI	01/17/25 14:22 - 01/17/25 20:22 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 21:55

Eurofins Chicago

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			803150	PA	EET CHI	01/16/25 15:38 - 01/17/25 09:38 ¹
TCLP	Prep	7470A			803491	MJG	EET CHI	01/20/25 10:40 - 01/20/25 12:40 ¹
TCLP	Analysis	7470A		1	803650	MJG	EET CHI	01/21/25 09:39
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:11
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Client Sample ID: 3743V-04-B04 (0-7)D

Lab Sample ID: 500-262417-8

Date Collected: 01/08/25 10:30

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 18:44
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 16:48
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:32
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 18:07
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:45

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			803024	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
SPLP East	Prep	3010A			803180	S1Z	EET CHI	01/16/25 14:30 - 01/16/25 20:30 ¹
SPLP East	Analysis	6010D		1	803426	RB	EET CHI	01/17/25 17:13
TCLP	Leach	1311			803039	TJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6010D		1	803427	RB	EET CHI	01/17/25 18:16
TCLP	Leach	1311			803023	RJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	3010A			803179	S1Z	EET CHI	01/16/25 16:28 - 01/16/25 22:28 ¹
TCLP	Analysis	6020B		1	803623	S1Z	EET CHI	01/20/25 22:36
TCLP	Leach	1311			803039	TJ	EET CHI	01/15/25 16:33 - 01/16/25 10:33 ¹
TCLP	Prep	7470A			803491	MJG	EET CHI	01/20/25 10:40 - 01/20/25 12:40 ¹
TCLP	Analysis	7470A		1	803650	MJG	EET CHI	01/21/25 10:04
Total/NA	Analysis	9045D		1	802295	MF	EET CHI	01/09/25 10:14
Total/NA	Analysis	Moisture		1	802135	MF	EET CHI	01/08/25 12:58

Eurofins Chicago

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Client Sample ID: 3743V-04-B01 (0-2)

Lab Sample ID: 500-262417-9

Date Collected: 01/08/25 10:45

Matrix: Solid

Date Received: 01/08/25 11:55

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			802252	EA	EET CHI	01/08/25 17:27
Total/NA	Analysis	8260D		1	802216	OP	EET CHI	01/09/25 19:09
Total/NA	Prep	3546			802149	LH	EET CHI	01/08/25 14:11
Total/NA	Analysis	8270E		1	802303	H7CM	EET CHI	01/09/25 17:13
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		1	802394	RB	EET CHI	01/09/25 17:36
Total/NA	Prep	3050B			802267	BDE	EET CHI	01/09/25 08:55 - 01/09/25 14:55 ¹
Total/NA	Analysis	6010D		5	802596	RB	EET CHI	01/10/25 18:20
Total/NA	Prep	7471B			803293	MJG	EET CHI	01/17/25 15:10
Total/NA	Analysis	7471B		1	803476	MJG	EET CHI	01/20/25 08:47

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO45A Francis Road

Job ID: 500-262417-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

**Environment Testing
America**

TAL-8210

11/21/2025

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 500-262417-1

Login Number: 262417

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	