



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: FAU 3730 (Halsted Street) Office Phone Number, if available: _____

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

13100 S. Halsted Street (ISGS #4758-10)

City: Riverdale State: IL Zip Code: 60827

County: Cook Township: Thornton

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

Latitude: 41.65574 Longitude: -87.6424

(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: 312585067 BOW: _____ BOA: _____

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

Estimated Volume of debris (cu. Yd.): 950

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 2555-01-B01 and 2555-01-B02 were sampled within the construction zone at ISGS #2555-1 [4758-10] (Joe Louis Golf Course). Refer to PSI Report for ISGS #2555-1 [4758-10] (Joe Louis Golf Course).

- 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 packages.

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

I, Matthew Weiss, P.G. (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: 30 North LaSalle Street

City: Chicago State: IL Zip Code: 60602

Phone: (312) 782-8150

Matthew Weiss, P.G.

Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4/10/25
Date:



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

Analytical Data Summary
PTB #196-002; Work Order 46A - IDOT Job # P-91-218-24

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 46A - IDOT Job # P-91-218-24

CONTAMINANTS OF CONCERN

SITE	ISGS #2555-1 (Joe Louis Golf Course)					Comparison Criteria					
BORING	2555-01-B01			2555-01-B02		MACs			TACO		
SAMPLE	2555-01-B01 (0-8)	2555-01-B01 (0-8)D	2555-01-B01 (8-15)	2555-01-B02 (0-8)	2555-01-B02 (8-15)	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
MATRIX	Soil	Soil	Soil	Soil	Soil						
DEPTH (feet)	0-8	0-8	8-15	0-8	8-15						
pH	8.6	8.2	8.3	7.5	8.0						
PID (meter units)	--	--	--	--	--						
VOCs (mg/kg)											
2-Butanone (MEK)	ND U	0.0017 J	ND U	ND U	ND U	--	--	--	--	--	--
Acetone	ND U	0.011 J	ND U	ND U	ND U	25	--	--	70,000	100,000	--
SVOCs (mg/kg)											
Benzo(a)anthracene	ND U	0.012 J	0.014 J	ND U	0.021 J	0.9	1.8	11	1.8	170	--
Benzo(g,h,i)perylene	0.022 J	0.026 J	0.028 J	ND U	0.043	--	--	4.4	--	--	--
Benzo(k)fluoranthene	ND U	ND U	ND U	ND U	0.026 J	9	--	8.1	9	1,700	--
Chrysene	ND U	0.013 J	0.016 J	ND U	0.027 J	88	--	11	88	17,000	--
Fluoranthene	0.0092 J	ND U	ND U	ND U	ND U	3,100	--	28	3,100	82,000	--
Pyrene	ND U	ND U	0.016 J	ND U	0.011 J	2,300	--	18	2,300	61,000	--
Inorganics (mg/kg)											
Arsenic	9.9	5.4	6.9	9.2	7.2	11.3	13	--	13	61	--
Barium	15 J	46 J	46	18	40	1,500	--	--	5,500	14,000	--
Beryllium	0.40	0.81	0.72	0.51	0.75	22	--	--	160	410	--
Boron	9.0	18	19	8.5	16	40	--	--	16,000	41,000	--
Cadmium	0.14	0.13	0.12	0.11	0.22	5.2	--	--	78	200	--
Calcium	21,000 J	47,000 J	66,000	2,300	55,000	--	--	--	--	--	--
Chromium	8.6 J	21 J	20	13	19	21	--	--	230	690	--
Cobalt	7.0	12	13	9.9	17	20	--	--	4,700	12,000	--
Copper	17	23	19	18	24	2,900	--	--	2,900	8,200	--
Iron	13,000	19,000 †m	20,000 †m	17,000 †m	27,000 †m	15,000	15,900	--	--	--	--
Lead	15	14	11	14	15	107	--	--	400	700	--
Magnesium	13,000	21,000	23,000	2,800	22,000	325,000	--	--	--	730,000	--
Manganese	190	280	330	180	450	630	636	--	1,600	4,100	--
Mercury	0.34 c	0.038	0.016 J	0.079	0.017 J	0.89	--	--	10	0.1	--
Nickel	16 J	37 J	34	22	41	100	--	--	1,600	4,100	--
Potassium	1,400 J	3,500 J	3,200	1,500	2,700	--	--	--	--	--	--
Sodium	200	270	320	75	230	--	--	--	--	--	--
Thallium	0.57	0.94	1.2	0.71	1.0	2.6	--	--	6.3	160	--
Vanadium	14	24	23	21	24	550	--	--	550	1,400	--
Zinc	43	58	56	61	57	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)											
Barium	0.42 J	0.44 J	0.62	0.24 J	0.32 J	--	--	--	--	--	2
Cadmium	0.0053 L	ND U	ND U	0.0022 J	ND U	--	--	--	--	--	0.005
Iron	ND U	ND U	ND U	0.38 J	ND U	--	--	--	--	--	5
Manganese	0.37 J L	1.7 J L	2.1 L	0.44 L	0.75 L	--	--	--	--	--	0.15
Zinc	0.25 J	ND U	ND U	0.046 J	ND U	--	--	--	--	--	5
SPLP Metals (mg/L)											
Cadmium	ND U	NA	NA	NA	NA	--	--	--	--	--	0.005
Manganese	0.59 L	0.35 L	1.4 L	0.3 L	1.5 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-WO 046 Halsted St PSI

JOB NUMBER

500-261987-1

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
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Case Narrative

Client: WSP USA Inc.
Project: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Job ID: 500-261987-1

Eurofins Chicago

Job Narrative 500-261987-1

Receipt

The samples were received on 12/20/24 12:00. 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 0.5° C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 500-800690 recovered outside control limits for the following analyte(s): Vinyl Chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 500-800690 was outside the method criteria for the following analyte(s): Methyl tert-butyl ether, Carbon Disulfide, 1,1,2,2-Tetrachloroethane, Vinyl Chloride and Bromoform. 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 500-801575 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane], 2-Nitroaniline and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 500-801474 and analytical batch 500-801575 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Metals

Method 6010D: The laboratory control sample (LCS) for prep batch 802546 recovered outside control limits for the following analyte(s): Zn. These analytes were biased high in the LCS and were below the reporting limit in the associated samples; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 500-802745 recovered above the upper control limit for Antimony. The samples associated with this CCV were below the reporting limit for the affected analyte; therefore, the data have been reported.

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

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-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.32	J B	1.1	0.21	mg/Kg	1	✱	6010D	Total/NA
Arsenic	9.2		0.54	0.18	mg/Kg	1	✱	6010D	Total/NA
Barium	18		0.54	0.062	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.51		0.22	0.050	mg/Kg	1	✱	6010D	Total/NA
Boron	8.5		2.7	0.25	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.11		0.11	0.019	mg/Kg	1	✱	6010D	Total/NA
Calcium	2300	B	11	1.8	mg/Kg	1	✱	6010D	Total/NA
Chromium	13		0.54	0.27	mg/Kg	1	✱	6010D	Total/NA
Cobalt	9.9		0.27	0.071	mg/Kg	1	✱	6010D	Total/NA
Copper	18		0.54	0.15	mg/Kg	1	✱	6010D	Total/NA
Iron	17000		11	5.6	mg/Kg	1	✱	6010D	Total/NA
Lead	14		0.27	0.12	mg/Kg	1	✱	6010D	Total/NA
Magnesium	2800		5.4	2.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	180		0.54	0.078	mg/Kg	1	✱	6010D	Total/NA
Nickel	22		0.54	0.16	mg/Kg	1	✱	6010D	Total/NA
Potassium	1500		27	9.6	mg/Kg	1	✱	6010D	Total/NA
Sodium	75		54	8.0	mg/Kg	1	✱	6010D	Total/NA
Thallium	0.71		0.54	0.27	mg/Kg	1	✱	6010D	Total/NA
Vanadium	21		0.27	0.064	mg/Kg	1	✱	6010D	Total/NA
Zinc	61		1.1	0.47	mg/Kg	1	✱	6010D	Total/NA
Barium	0.24	J	0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.0022	J	0.0050	0.0020	mg/L	1		6010D	TCLP
Iron	0.38	J	0.40	0.20	mg/L	1		6010D	TCLP
Manganese	0.44		0.025	0.010	mg/L	1		6010D	TCLP
Zinc	0.046	J*+	0.50	0.020	mg/L	1		6010D	TCLP
Manganese	0.30		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.079		0.018	0.0074	mg/Kg	1	✱	7471B	Total/NA
pH	7.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.021	J	0.039	0.0083	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.043		0.039	0.0085	mg/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	0.026	J	0.039	0.015	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.027	J	0.039	0.010	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.011	J	0.039	0.011	mg/Kg	1	✱	8270E	Total/NA
Antimony	0.39	J B	1.2	0.23	mg/Kg	1	✱	6010D	Total/NA
Arsenic	7.2		0.58	0.20	mg/Kg	1	✱	6010D	Total/NA
Barium	40		0.58	0.066	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.75		0.23	0.054	mg/Kg	1	✱	6010D	Total/NA
Boron	16		2.9	0.27	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.22		0.12	0.021	mg/Kg	1	✱	6010D	Total/NA
Calcium	55000	B	58	9.9	mg/Kg	5	✱	6010D	Total/NA
Chromium	19		0.58	0.29	mg/Kg	1	✱	6010D	Total/NA
Cobalt	17		0.29	0.076	mg/Kg	1	✱	6010D	Total/NA
Copper	24		0.58	0.16	mg/Kg	1	✱	6010D	Total/NA
Iron	27000		12	6.0	mg/Kg	1	✱	6010D	Total/NA
Lead	15		1.5	0.67	mg/Kg	5	✱	6010D	Total/NA
Magnesium	22000		5.8	2.9	mg/Kg	1	✱	6010D	Total/NA
Manganese	450		0.58	0.084	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-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15) (Continued)

Lab Sample ID: 500-261987-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	41		0.58	0.17	mg/Kg	1	✱	6010D	Total/NA
Potassium	2700		29	10	mg/Kg	1	✱	6010D	Total/NA
Sodium	230		58	8.6	mg/Kg	1	✱	6010D	Total/NA
Thallium	1.0		0.58	0.29	mg/Kg	1	✱	6010D	Total/NA
Vanadium	24		0.29	0.069	mg/Kg	1	✱	6010D	Total/NA
Zinc	57		1.2	0.51	mg/Kg	1	✱	6010D	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010D	TCLP
Manganese	0.75		0.025	0.010	mg/L	1		6010D	TCLP
Manganese	1.5		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.017	J	0.018	0.0075	mg/Kg	1	✱	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.022	J	0.037	0.0081	mg/Kg	1	✱	8270E	Total/NA
Fluoranthene	0.0092	J	0.037	0.0087	mg/Kg	1	✱	8270E	Total/NA
Arsenic	9.9		0.54	0.18	mg/Kg	1	✱	6010D	Total/NA
Barium	15		0.54	0.062	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.40		0.22	0.051	mg/Kg	1	✱	6010D	Total/NA
Boron	9.0		2.7	0.25	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.14		0.11	0.019	mg/Kg	1	✱	6010D	Total/NA
Calcium	21000	B	11	1.8	mg/Kg	1	✱	6010D	Total/NA
Chromium	8.6		0.54	0.27	mg/Kg	1	✱	6010D	Total/NA
Cobalt	7.0		0.27	0.071	mg/Kg	1	✱	6010D	Total/NA
Copper	17		0.54	0.15	mg/Kg	1	✱	6010D	Total/NA
Iron	13000		11	5.6	mg/Kg	1	✱	6010D	Total/NA
Lead	15		0.27	0.12	mg/Kg	1	✱	6010D	Total/NA
Magnesium	13000		5.4	2.7	mg/Kg	1	✱	6010D	Total/NA
Manganese	190		0.54	0.078	mg/Kg	1	✱	6010D	Total/NA
Nickel	16		0.54	0.16	mg/Kg	1	✱	6010D	Total/NA
Potassium	1400		27	9.6	mg/Kg	1	✱	6010D	Total/NA
Sodium	200		54	8.0	mg/Kg	1	✱	6010D	Total/NA
Thallium	0.57		0.54	0.27	mg/Kg	1	✱	6010D	Total/NA
Vanadium	14		0.27	0.064	mg/Kg	1	✱	6010D	Total/NA
Zinc	43		1.1	0.47	mg/Kg	1	✱	6010D	Total/NA
Barium	0.42	J	0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.0053		0.0050	0.0020	mg/L	1		6010D	TCLP
Manganese	0.37		0.025	0.010	mg/L	1		6010D	TCLP
Zinc	0.25	J *+	0.50	0.020	mg/L	1		6010D	TCLP
Manganese	0.59		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.34		0.018	0.0074	mg/Kg	1	✱	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011	J	0.015	0.0065	mg/Kg	1	✱	8260D	Total/NA
2-Butanone (MEK)	0.0017	J	0.0039	0.0017	mg/Kg	1	✱	8260D	Total/NA
Benzo[a]anthracene	0.012	J	0.042	0.0090	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.026	J	0.042	0.0091	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.013	J	0.042	0.011	mg/Kg	1	✱	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)D (Continued)

Lab Sample ID: 500-261987-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.4		0.61	0.21	mg/Kg	1	✱	6010D	Total/NA
Barium	46		0.61	0.069	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.81		0.24	0.057	mg/Kg	1	✱	6010D	Total/NA
Boron	18		3.0	0.28	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.13		0.12	0.022	mg/Kg	1	✱	6010D	Total/NA
Calcium	47000	B	61	10	mg/Kg	5	✱	6010D	Total/NA
Chromium	21		0.61	0.30	mg/Kg	1	✱	6010D	Total/NA
Cobalt	12		0.30	0.079	mg/Kg	1	✱	6010D	Total/NA
Copper	23		0.61	0.17	mg/Kg	1	✱	6010D	Total/NA
Iron	19000		12	6.3	mg/Kg	1	✱	6010D	Total/NA
Lead	14		1.5	0.70	mg/Kg	5	✱	6010D	Total/NA
Magnesium	21000		6.1	3.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	280		0.61	0.088	mg/Kg	1	✱	6010D	Total/NA
Nickel	37		0.61	0.18	mg/Kg	1	✱	6010D	Total/NA
Potassium	3500		30	11	mg/Kg	1	✱	6010D	Total/NA
Sodium	270		61	9.0	mg/Kg	1	✱	6010D	Total/NA
Thallium	0.94		0.61	0.30	mg/Kg	1	✱	6010D	Total/NA
Vanadium	24		0.30	0.072	mg/Kg	1	✱	6010D	Total/NA
Zinc	58		1.2	0.53	mg/Kg	1	✱	6010D	Total/NA
Barium	0.44	J	0.50	0.050	mg/L	1		6010D	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010D	TCLP
Manganese	0.35		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.038		0.020	0.0082	mg/Kg	1	✱	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.014	J	0.039	0.0083	mg/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	0.028	J	0.039	0.0085	mg/Kg	1	✱	8270E	Total/NA
Chrysene	0.016	J	0.039	0.010	mg/Kg	1	✱	8270E	Total/NA
Pyrene	0.016	J	0.039	0.011	mg/Kg	1	✱	8270E	Total/NA
Antimony	0.24	J B	1.2	0.23	mg/Kg	1	✱	6010D	Total/NA
Arsenic	6.9		0.60	0.20	mg/Kg	1	✱	6010D	Total/NA
Barium	46		0.60	0.068	mg/Kg	1	✱	6010D	Total/NA
Beryllium	0.72		0.24	0.056	mg/Kg	1	✱	6010D	Total/NA
Boron	19		3.0	0.28	mg/Kg	1	✱	6010D	Total/NA
Cadmium	0.12		0.12	0.021	mg/Kg	1	✱	6010D	Total/NA
Calcium	66000	B	60	10	mg/Kg	5	✱	6010D	Total/NA
Chromium	20		0.60	0.29	mg/Kg	1	✱	6010D	Total/NA
Cobalt	13		0.30	0.078	mg/Kg	1	✱	6010D	Total/NA
Copper	19		0.60	0.17	mg/Kg	1	✱	6010D	Total/NA
Iron	20000		12	6.2	mg/Kg	1	✱	6010D	Total/NA
Lead	11		1.5	0.69	mg/Kg	5	✱	6010D	Total/NA
Magnesium	23000		6.0	3.0	mg/Kg	1	✱	6010D	Total/NA
Manganese	330		0.60	0.086	mg/Kg	1	✱	6010D	Total/NA
Nickel	34		0.60	0.17	mg/Kg	1	✱	6010D	Total/NA
Potassium	3200		30	11	mg/Kg	1	✱	6010D	Total/NA
Sodium	320		60	8.8	mg/Kg	1	✱	6010D	Total/NA
Thallium	1.2		0.60	0.30	mg/Kg	1	✱	6010D	Total/NA
Vanadium	23		0.30	0.070	mg/Kg	1	✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15) (Continued)

Lab Sample ID: 500-261987-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Zinc	56		1.2	0.52	mg/Kg	1		✱	6010D	Total/NA
Barium	0.62		0.50	0.050	mg/L	1			6010D	TCLP
Manganese	2.1		0.025	0.010	mg/L	1			6010D	TCLP
Manganese	1.4		0.025	0.010	mg/L	1			6010D	SPLP East
Mercury	0.016	J F1	0.019	0.0078	mg/Kg	1		✱	7471B	Total/NA
pH	8.3		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.

Job ID: 500-261987-1

Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

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.

Job ID: 500-261987-1

Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-261987-1	2555-01-B02 (0-8)	Solid	12/20/24 09:10	12/20/24 12:00
500-261987-2	2555-01-B02 (8-15)	Solid	12/20/24 09:20	12/20/24 12:00
500-261987-3	2555-01-B01 (0-8)	Solid	12/20/24 09:50	12/20/24 12:00
500-261987-4	2555-01-B01 (0-8)D	Solid	12/20/24 09:55	12/20/24 12:00
500-261987-5	2555-01-B01 (8-15)	Solid	12/20/24 10:00	12/20/24 12:00

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Benzene	<0.0016		0.0016	0.00051	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Bromodichloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Bromoform	<0.0016		0.0016	0.00095	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Bromomethane	<0.0041		0.0041	0.0020	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
2-Butanone (MEK)	<0.0041		0.0041	0.0018	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Carbon disulfide	<0.0041		0.0041	0.00075	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Carbon tetrachloride	<0.0016		0.0016	0.00055	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Chlorobenzene	<0.0016		0.0016	0.00069	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Chloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Chloroform	<0.0016		0.0016	0.0012	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Chloromethane	<0.0041		0.0041	0.00079	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00066	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Dibromochloromethane	<0.0016		0.0016	0.00076	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,1-Dichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,2-Dichloroethane	<0.0041		0.0041	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,1-Dichloroethene	<0.0016		0.0016	0.00067	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00078	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Ethylbenzene	<0.0016		0.0016	0.00086	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
2-Hexanone	<0.0041		0.0041	0.0025	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Methylene Chloride	<0.0041		0.0041	0.0017	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
4-Methyl-2-pentanone (MIBK)	<0.0041		0.0041	0.0029	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00053	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Styrene	<0.0016		0.0016	0.00073	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00081	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Tetrachloroethene	<0.0016		0.0016	0.00091	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Toluene	<0.0016		0.0016	0.00033	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00062	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00078	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00066	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Trichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Vinyl acetate	<0.0041		0.0041	0.00097	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Vinyl chloride	<0.0016	+	0.0016	0.00067	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1
Xylenes, Total	<0.0033		0.0033	0.00056	mg/Kg	☆	12/21/24 13:22	12/26/24 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	12/21/24 13:22	12/26/24 17:14	1
Dibromofluoromethane	103		75 - 126	12/21/24 13:22	12/26/24 17:14	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	12/21/24 13:22	12/26/24 17:14	1
Toluene-d8 (Surr)	86		75 - 124	12/21/24 13:22	12/26/24 17:14	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	☆	01/02/25 13:31	01/03/25 13:05	1
1,2-Dichlorobenzene	<0.19		0.19	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 85.4

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]	<0.19		0.19	0.027	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4,5-Trichlorophenol	<0.37		0.37	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4,6-Trichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4-Dichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4-Dimethylphenol	<0.37		0.37	0.084	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4-Dinitrophenol	<0.76		0.76	0.22	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,4-Dinitrotoluene	<0.19		0.19	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Methylnaphthalene	<0.076		0.076	0.0076	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
2-Nitrophenol	<0.37		0.37	0.026	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
3-Nitroaniline	<0.37		0.37	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.21	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Chloro-3-methylphenol	<0.37		0.37	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Chloroaniline	<0.76		0.76	0.40	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Nitroaniline	<0.37		0.37	0.028	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
4-Nitrophenol	<0.76		0.76	0.14	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Acenaphthene	<0.037		0.037	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Acenaphthylene	<0.037		0.037	0.0064	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Anthracene	<0.037		0.037	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Benzo[a]anthracene	<0.037		0.037	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Benzo[a]pyrene	<0.037		0.037	0.036	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Benzo[b]fluoranthene	<0.037		0.037	0.036	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Benzo[g,h,i]perylene	<0.037		0.037	0.0082	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Benzo[k]fluoranthene	<0.037		0.037	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Chrysene	<0.037		0.037	0.0099	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Dibenz(a,h)anthracene	<0.037		0.037	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Dibenzofuran	<0.19		0.19	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Diethyl phthalate	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Dimethyl phthalate	<0.19		0.19	0.0082	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Di-n-octyl phthalate	<0.37		0.37	0.26	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Fluoranthene	<0.037		0.037	0.0088	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Fluorene	<0.037		0.037	0.011	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Hexachlorobenzene	<0.076		0.076	0.0072	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Hexachlorobutadiene	<0.19		0.19	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Hexachlorocyclopentadiene	<0.76		0.76	0.40	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 85.4

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	☆	01/02/25 13:31	01/03/25 13:05	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Isophorone	<0.19		0.19	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Naphthalene	<0.037		0.037	0.0068	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Nitrobenzene	<0.037		0.037	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.0074	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
N-Nitrosodiphenylamine	<0.19		0.19	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Pentachlorophenol	<0.76		0.76	0.094	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Phenanthrene	<0.037		0.037	0.0082	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Phenol	<0.19		0.19	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1
Pyrene	<0.037		0.037	0.010	mg/Kg	☆	01/02/25 13:31	01/03/25 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	83		31 - 166	01/02/25 13:31	01/03/25 13:05	1
Phenol-d5 (Surr)	84		30 - 153	01/02/25 13:31	01/03/25 13:05	1
Nitrobenzene-d5 (Surr)	80		37 - 147	01/02/25 13:31	01/03/25 13:05	1
2-Fluorobiphenyl (Surr)	80		43 - 145	01/02/25 13:31	01/03/25 13:05	1
2,4,6-Tribromophenol (Surr)	79		31 - 143	01/02/25 13:31	01/03/25 13:05	1
Terphenyl-d14 (Surr)	98		42 - 157	01/02/25 13:31	01/03/25 13:05	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J B	1.1	0.21	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Arsenic	9.2		0.54	0.18	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Barium	18		0.54	0.062	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Beryllium	0.51		0.22	0.050	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Boron	8.5		2.7	0.25	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Cadmium	0.11		0.11	0.019	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Calcium	2300	B	11	1.8	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Chromium	13		0.54	0.27	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Cobalt	9.9		0.27	0.071	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Copper	18		0.54	0.15	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Iron	17000		11	5.6	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Lead	14		0.27	0.12	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Magnesium	2800		5.4	2.7	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Manganese	180		0.54	0.078	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Nickel	22		0.54	0.16	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Potassium	1500		27	9.6	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Silver	<0.27		0.27	0.070	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Sodium	75		54	8.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Thallium	0.71		0.54	0.27	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Vanadium	21		0.27	0.064	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1
Zinc	61		1.1	0.47	mg/Kg	☆	01/06/25 17:28	01/07/25 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.24	J	0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 15:07	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:07	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 85.4

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	-	01/12/25 16:23	01/13/25 15:07	1
Chromium	<0.025		0.025	0.010	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Cobalt	<0.025		0.025	0.010	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Iron	0.38	J	0.40	0.20	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Lead	<0.0075		0.0075	0.0075	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Manganese	0.44		0.025	0.010	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Nickel	<0.025		0.025	0.010	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Selenium	<0.050		0.050	0.020	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Silver	<0.025		0.025	0.010	mg/L	-	01/12/25 16:23	01/13/25 15:07	1
Zinc	0.046	J **	0.50	0.020	mg/L	-	01/12/25 16:23	01/13/25 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.30		0.025	0.010	mg/L	-	01/12/25 16:27	01/13/25 18:26	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	-	01/12/25 16:23	01/13/25 15:36	1
Thallium	<0.0020		0.0020	0.00057	mg/L	-	01/12/25 16:23	01/13/25 15:36	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	-	01/13/25 11:00	01/14/25 10:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079		0.018	0.0074	mg/Kg	☆	01/07/25 16:45	01/08/25 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU	-		12/27/24 11:59	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Benzene	<0.0016		0.0016	0.00051	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Bromodichloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Bromoform	<0.0016		0.0016	0.00095	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Bromomethane	<0.0040		0.0040	0.0020	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
2-Butanone (MEK)	<0.0040		0.0040	0.0018	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Carbon disulfide	<0.0040		0.0040	0.00075	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Carbon tetrachloride	<0.0016		0.0016	0.00055	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Chlorobenzene	<0.0016		0.0016	0.00068	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Chloroethane	<0.0040		0.0040	0.0013	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Chloroform	<0.0016		0.0016	0.0012	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Chloromethane	<0.0040		0.0040	0.00079	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Dibromochloromethane	<0.0016		0.0016	0.00075	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,1-Dichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,2-Dichloroethane	<0.0040		0.0040	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,1-Dichloroethene	<0.0016		0.0016	0.00067	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00078	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Ethylbenzene	<0.0016		0.0016	0.00085	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
2-Hexanone	<0.0040		0.0040	0.0025	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Methylene Chloride	<0.0040		0.0040	0.0017	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.0029	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00052	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Styrene	<0.0016		0.0016	0.00073	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00080	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Tetrachloroethene	<0.0016		0.0016	0.00091	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Toluene	<0.0016		0.0016	0.00033	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00061	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00078	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00066	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00061	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Trichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Vinyl acetate	<0.0040		0.0040	0.00097	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Vinyl chloride	<0.0016	+	0.0016	0.00066	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1
Xylenes, Total	<0.0032		0.0032	0.00056	mg/Kg	☆	12/21/24 13:22	12/26/24 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	12/21/24 13:22	12/26/24 17:39	1
Dibromofluoromethane	106		75 - 126	12/21/24 13:22	12/26/24 17:39	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	12/21/24 13:22	12/26/24 17:39	1
Toluene-d8 (Surr)	89		75 - 124	12/21/24 13:22	12/26/24 17:39	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	☆	01/02/25 13:31	01/03/25 13:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.1

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]	<0.20		0.20	0.028	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4,5-Trichlorophenol	<0.39		0.39	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4,6-Trichlorophenol	<0.39		0.39	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4-Dichlorophenol	<0.39		0.39	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4-Dimethylphenol	<0.39		0.39	0.088	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4-Dinitrophenol	<0.79		0.79	0.23	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Methylnaphthalene	<0.079		0.079	0.0079	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Nitroaniline	<0.20		0.20	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
2-Nitrophenol	<0.39		0.39	0.027	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
3-Nitroaniline	<0.39		0.39	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.22	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Chloro-3-methylphenol	<0.39		0.39	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Chloroaniline	<0.79		0.79	0.41	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Nitroaniline	<0.39		0.39	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
4-Nitrophenol	<0.79		0.79	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Acenaphthene	<0.039		0.039	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Acenaphthylene	<0.039		0.039	0.0066	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Anthracene	<0.039		0.039	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Benzo[a]anthracene	0.021 J		0.039	0.0083	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Benzo[a]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Benzo[b]fluoranthene	<0.039		0.039	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Benzo[g,h,i]perylene	0.043		0.039	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Benzo[k]fluoranthene	0.026 J		0.039	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Butyl benzyl phthalate	<0.20		0.20	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Carbazole	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Chrysene	0.027 J		0.039	0.010	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Dibenz(a,h)anthracene	<0.039		0.039	0.039	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Dimethyl phthalate	<0.20		0.20	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Di-n-butyl phthalate	<0.20		0.20	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Di-n-octyl phthalate	<0.39		0.39	0.27	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Fluoranthene	<0.039		0.039	0.0091	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Fluorene	<0.039		0.039	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Hexachlorobenzene	<0.079		0.079	0.0075	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Hexachlorocyclopentadiene	<0.79		0.79	0.42	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.1

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	☆	01/02/25 13:31	01/03/25 13:30	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Isophorone	<0.20		0.20	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Naphthalene	<0.039		0.039	0.0071	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Nitrobenzene	<0.039		0.039	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.023	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Pentachlorophenol	<0.79		0.79	0.098	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Phenanthrene	<0.039		0.039	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1
Pyrene	0.011	J	0.039	0.011	mg/Kg	☆	01/02/25 13:31	01/03/25 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	90		31 - 166	01/02/25 13:31	01/03/25 13:30	1
Phenol-d5 (Surr)	88		30 - 153	01/02/25 13:31	01/03/25 13:30	1
Nitrobenzene-d5 (Surr)	87		37 - 147	01/02/25 13:31	01/03/25 13:30	1
2-Fluorobiphenyl (Surr)	85		43 - 145	01/02/25 13:31	01/03/25 13:30	1
2,4,6-Tribromophenol (Surr)	79		31 - 143	01/02/25 13:31	01/03/25 13:30	1
Terphenyl-d14 (Surr)	96		42 - 157	01/02/25 13:31	01/03/25 13:30	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J B	1.2	0.23	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Arsenic	7.2		0.58	0.20	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Barium	40		0.58	0.066	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Beryllium	0.75		0.23	0.054	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Boron	16		2.9	0.27	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Cadmium	0.22		0.12	0.021	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Calcium	55000	B	58	9.9	mg/Kg	☆	01/06/25 17:28	01/08/25 12:58	5
Chromium	19		0.58	0.29	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Cobalt	17		0.29	0.076	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Copper	24		0.58	0.16	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Iron	27000		12	6.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Lead	15		1.5	0.67	mg/Kg	☆	01/06/25 17:28	01/08/25 12:58	5
Magnesium	22000		5.8	2.9	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Manganese	450		0.58	0.084	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Nickel	41		0.58	0.17	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Potassium	2700		29	10	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Silver	<0.29		0.29	0.075	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Sodium	230		58	8.6	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Thallium	1.0		0.58	0.29	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Vanadium	24		0.29	0.069	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	1
Zinc	57		1.2	0.51	mg/Kg	☆	01/06/25 17:28	01/07/25 22:22	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		01/12/25 16:23	01/13/25 15:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 15:12	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:12	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.1

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		01/12/25 16:23	01/13/25 15:12	1
Chromium	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:12	1
Cobalt	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:12	1
Iron	<0.40		0.40	0.20	mg/L		01/12/25 16:23	01/13/25 15:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/12/25 16:23	01/13/25 15:12	1
Manganese	0.75		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:12	1
Nickel	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:12	1
Selenium	<0.050		0.050	0.020	mg/L		01/12/25 16:23	01/13/25 15:12	1
Silver	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:12	1
Zinc	<0.50	*+	0.50	0.020	mg/L		01/12/25 16:23	01/13/25 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.5		0.025	0.010	mg/L		01/12/25 16:27	01/13/25 18:30	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		01/12/25 16:23	01/13/25 15:51	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/12/25 16:23	01/13/25 15:51	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		01/13/25 11:00	01/14/25 10:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0075	mg/Kg	☆	01/07/25 16:45	01/08/25 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			12/27/24 12:02	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 86.1

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	☆	12/21/24 13:22	12/26/24 18:04	1
Benzene	<0.0018		0.0018	0.00058	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Bromodichloromethane	<0.0018		0.0018	0.00059	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Bromoform	<0.0018		0.0018	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Bromomethane	<0.0046		0.0046	0.0023	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
2-Butanone (MEK)	<0.0046		0.0046	0.0020	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Carbon disulfide	<0.0046		0.0046	0.00085	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Carbon tetrachloride	<0.0018		0.0018	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Chlorobenzene	<0.0018		0.0018	0.00078	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Chloroethane	<0.0046		0.0046	0.0015	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Chloroform	<0.0018		0.0018	0.0013	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Chloromethane	<0.0046		0.0046	0.00089	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00074	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00074	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Dibromochloromethane	<0.0018		0.0018	0.00085	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,1-Dichloroethane	<0.0018		0.0018	0.00069	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,2-Dichloroethane	<0.0046		0.0046	0.0012	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,1-Dichloroethene	<0.0018		0.0018	0.00076	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00088	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Ethylbenzene	<0.0018		0.0018	0.00097	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
2-Hexanone	<0.0046		0.0046	0.0028	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Methylene Chloride	<0.0046		0.0046	0.0020	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
4-Methyl-2-pentanone (MIBK)	<0.0046		0.0046	0.0033	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00059	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Styrene	<0.0018		0.0018	0.00083	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00091	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Tetrachloroethene	<0.0018		0.0018	0.0010	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Toluene	<0.0018		0.0018	0.00037	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00069	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00088	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00074	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00069	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Trichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Vinyl acetate	<0.0046		0.0046	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Vinyl chloride	<0.0018	+	0.0018	0.00075	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1
Xylenes, Total	<0.0037		0.0037	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	12/21/24 13:22	12/26/24 18:04	1
Dibromofluoromethane	104		75 - 126	12/21/24 13:22	12/26/24 18:04	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	12/21/24 13:22	12/26/24 18:04	1
Toluene-d8 (Surr)	95		75 - 124	12/21/24 13:22	12/26/24 18:04	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	☆	01/02/25 13:31	01/03/25 13:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 86.1

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	☆	01/02/25 13:31	01/03/25 13:54	1
2,4,5-Trichlorophenol	<0.37		0.37	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,4,6-Trichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,4-Dichlorophenol	<0.37		0.37	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,4-Dimethylphenol	<0.37		0.37	0.084	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,4-Dinitrophenol	<0.76		0.76	0.22	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Methylnaphthalene	<0.076		0.076	0.0075	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
2-Nitrophenol	<0.37		0.37	0.026	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
3-Nitroaniline	<0.37		0.37	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.21	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Chloro-3-methylphenol	<0.37		0.37	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Chloroaniline	<0.76		0.76	0.39	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Nitroaniline	<0.37		0.37	0.028	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
4-Nitrophenol	<0.76		0.76	0.14	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Acenaphthene	<0.037		0.037	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Acenaphthylene	<0.037		0.037	0.0064	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Anthracene	<0.037		0.037	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Benzo[a]anthracene	<0.037		0.037	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Benzo[a]pyrene	<0.037		0.037	0.036	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Benzo[b]fluoranthene	<0.037		0.037	0.036	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Benzo[g,h,i]perylene	0.022 J		0.037	0.0081	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Benzo[k]fluoranthene	<0.037		0.037	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Chrysene	<0.037		0.037	0.0099	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Dibenz(a,h)anthracene	<0.037		0.037	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Dibenzofuran	<0.19		0.19	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Diethyl phthalate	<0.19		0.19	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Dimethyl phthalate	<0.19		0.19	0.0082	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Di-n-octyl phthalate	<0.37		0.37	0.26	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Fluoranthene	0.0092 J		0.037	0.0087	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Fluorene	<0.037		0.037	0.011	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Hexachlorobenzene	<0.076		0.076	0.0072	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Hexachlorobutadiene	<0.19		0.19	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Hexachlorocyclopentadiene	<0.76		0.76	0.40	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 86.1

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	☆	01/02/25 13:31	01/03/25 13:54	1
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Isophorone	<0.19		0.19	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Naphthalene	<0.037		0.037	0.0068	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Nitrobenzene	<0.037		0.037	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.0074	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Pentachlorophenol	<0.76		0.76	0.094	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Phenanthrene	<0.037		0.037	0.0082	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Phenol	<0.19		0.19	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1
Pyrene	<0.037		0.037	0.010	mg/Kg	☆	01/02/25 13:31	01/03/25 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	92		31 - 166	01/02/25 13:31	01/03/25 13:54	1
Phenol-d5 (Surr)	92		30 - 153	01/02/25 13:31	01/03/25 13:54	1
Nitrobenzene-d5 (Surr)	87		37 - 147	01/02/25 13:31	01/03/25 13:54	1
2-Fluorobiphenyl (Surr)	87		43 - 145	01/02/25 13:31	01/03/25 13:54	1
2,4,6-Tribromophenol (Surr)	83		31 - 143	01/02/25 13:31	01/03/25 13:54	1
Terphenyl-d14 (Surr)	98		42 - 157	01/02/25 13:31	01/03/25 13:54	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.21	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Arsenic	9.9		0.54	0.18	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Barium	15		0.54	0.062	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Beryllium	0.40		0.22	0.051	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Boron	9.0		2.7	0.25	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Cadmium	0.14		0.11	0.019	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Calcium	21000	B	11	1.8	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Chromium	8.6		0.54	0.27	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Cobalt	7.0		0.27	0.071	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Copper	17		0.54	0.15	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Iron	13000		11	5.6	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Lead	15		0.27	0.12	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Magnesium	13000		5.4	2.7	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Manganese	190		0.54	0.078	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Nickel	16		0.54	0.16	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Potassium	1400		27	9.6	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Silver	<0.27		0.27	0.070	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Sodium	200		54	8.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Thallium	0.57		0.54	0.27	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Vanadium	14		0.27	0.064	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1
Zinc	43		1.1	0.47	mg/Kg	☆	01/06/25 17:28	01/07/25 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.42	J	0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 15:16	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:16	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0053		0.0050	0.0020	mg/L		01/12/25 16:23	01/13/25 15:16	1
Chromium	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:16	1
Cobalt	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:16	1
Iron	<0.40		0.40	0.20	mg/L		01/12/25 16:23	01/13/25 15:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/12/25 16:23	01/13/25 15:16	1
Manganese	0.37		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:16	1
Nickel	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:16	1
Selenium	<0.050		0.050	0.020	mg/L		01/12/25 16:23	01/13/25 15:16	1
Silver	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:16	1
Zinc	0.25	J **	0.50	0.020	mg/L		01/12/25 16:23	01/13/25 15:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.59		0.025	0.010	mg/L		01/12/25 16:27	01/13/25 18:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/12/25 16:27	01/13/25 18:34	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		01/12/25 16:23	01/13/25 15:55	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/12/25 16:23	01/13/25 15:55	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		01/13/25 11:00	01/14/25 10:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.018	0.0074	mg/Kg	☆	01/07/25 16:45	01/08/25 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			12/27/24 12:04	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.015	0.0065	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Benzene	<0.0015		0.0015	0.00049	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Bromodichloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Bromoform	<0.0015		0.0015	0.00090	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Bromomethane	<0.0039		0.0039	0.0019	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
2-Butanone (MEK)	0.0017	J	0.0039	0.0017	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Carbon disulfide	<0.0039		0.0039	0.00071	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Carbon tetrachloride	<0.0015		0.0015	0.00053	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Chlorobenzene	<0.0015		0.0015	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Chloroethane	<0.0039		0.0039	0.0013	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Chloroform	<0.0015		0.0015	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Chloromethane	<0.0039		0.0039	0.00075	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00062	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00062	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Dibromochloromethane	<0.0015		0.0015	0.00072	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,1-Dichloroethane	<0.0015		0.0015	0.00058	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,2-Dichloroethane	<0.0039		0.0039	0.0010	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,1-Dichloroethene	<0.0015		0.0015	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00074	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Ethylbenzene	<0.0015		0.0015	0.00081	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
2-Hexanone	<0.0039		0.0039	0.0023	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.0027	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00050	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Styrene	<0.0015		0.0015	0.00069	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00077	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Tetrachloroethene	<0.0015		0.0015	0.00087	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Toluene	<0.0015		0.0015	0.00031	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00058	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00074	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00058	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Trichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Vinyl acetate	<0.0039		0.0039	0.00092	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Vinyl chloride	<0.0015	*+	0.0015	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1
Xylenes, Total	<0.0031		0.0031	0.00053	mg/Kg	☆	12/21/24 13:22	12/26/24 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	12/21/24 13:22	12/26/24 18:29	1
Dibromofluoromethane	104		75 - 126	12/21/24 13:22	12/26/24 18:29	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	12/21/24 13:22	12/26/24 18:29	1
Toluene-d8 (Surr)	87		75 - 124	12/21/24 13:22	12/26/24 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.030	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
1,2-Dichlorobenzene	<0.21		0.21	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
1,3-Dichlorobenzene	<0.21		0.21	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
1,4-Dichlorobenzene	<0.21		0.21	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 77.9

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]	<0.21		0.21	0.030	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4,5-Trichlorophenol	<0.42		0.42	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4,6-Trichlorophenol	<0.42		0.42	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4-Dichlorophenol	<0.42		0.42	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4-Dimethylphenol	<0.42		0.42	0.095	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4-Dinitrophenol	<0.85		0.85	0.24	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,4-Dinitrotoluene	<0.21		0.21	0.024	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2,6-Dinitrotoluene	<0.21		0.21	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Chloronaphthalene	<0.21		0.21	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Chlorophenol	<0.21		0.21	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Methylnaphthalene	<0.085		0.085	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Methylphenol	<0.21		0.21	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Nitroaniline	<0.21		0.21	0.023	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
2-Nitrophenol	<0.42		0.42	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
3 & 4 Methylphenol	<0.21		0.21	0.031	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.034	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
3-Nitroaniline	<0.42		0.42	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.24	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Chloro-3-methylphenol	<0.42		0.42	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Chloroaniline	<0.85		0.85	0.44	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Nitroaniline	<0.42		0.42	0.031	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
4-Nitrophenol	<0.85		0.85	0.16	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Acenaphthene	<0.042		0.042	0.0086	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Acenaphthylene	<0.042		0.042	0.0072	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Anthracene	<0.042		0.042	0.0086	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Benzo[a]anthracene	0.012 J		0.042	0.0090	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Benzo[a]pyrene	<0.042		0.042	0.041	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Benzo[b]fluoranthene	<0.042		0.042	0.040	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Benzo[g,h,i]perylene	0.026 J		0.042	0.0091	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Benzo[k]fluoranthene	<0.042		0.042	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.17	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Butyl benzyl phthalate	<0.21		0.21	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Carbazole	<0.21		0.21	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Chrysene	0.013 J		0.042	0.011	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Dibenz(a,h)anthracene	<0.042		0.042	0.042	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Dibenzofuran	<0.21		0.21	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Diethyl phthalate	<0.21		0.21	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Dimethyl phthalate	<0.21		0.21	0.0092	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Di-n-butyl phthalate	<0.21		0.21	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Di-n-octyl phthalate	<0.42		0.42	0.30	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Fluoranthene	<0.042		0.042	0.0098	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Fluorene	<0.042		0.042	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Hexachlorobenzene	<0.085		0.085	0.0081	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Hexachlorobutadiene	<0.21		0.21	0.024	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Hexachlorocyclopentadiene	<0.85		0.85	0.45	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.21		0.21	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.041	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Isophorone	<0.21		0.21	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Naphthalene	<0.042		0.042	0.0076	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Nitrobenzene	<0.042		0.042	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.0083	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
N-Nitrosodiphenylamine	<0.21		0.21	0.025	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Pentachlorophenol	<0.85		0.85	0.11	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Phenanthrene	<0.042		0.042	0.0092	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Phenol	<0.21		0.21	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1
Pyrene	<0.042		0.042	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	81		31 - 166	01/02/25 13:31	01/03/25 14:19	1
Phenol-d5 (Surr)	82		30 - 153	01/02/25 13:31	01/03/25 14:19	1
Nitrobenzene-d5 (Surr)	79		37 - 147	01/02/25 13:31	01/03/25 14:19	1
2-Fluorobiphenyl (Surr)	79		43 - 145	01/02/25 13:31	01/03/25 14:19	1
2,4,6-Tribromophenol (Surr)	78		31 - 143	01/02/25 13:31	01/03/25 14:19	1
Terphenyl-d14 (Surr)	93		42 - 157	01/02/25 13:31	01/03/25 14:19	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.24	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Arsenic	5.4		0.61	0.21	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Barium	46		0.61	0.069	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Beryllium	0.81		0.24	0.057	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Boron	18		3.0	0.28	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Cadmium	0.13		0.12	0.022	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Calcium	47000	B	61	10	mg/Kg	☆	01/06/25 17:28	01/08/25 13:02	5
Chromium	21		0.61	0.30	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Cobalt	12		0.30	0.079	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Copper	23		0.61	0.17	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Iron	19000		12	6.3	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Lead	14		1.5	0.70	mg/Kg	☆	01/06/25 17:28	01/08/25 13:02	5
Magnesium	21000		6.1	3.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Manganese	280		0.61	0.088	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Nickel	37		0.61	0.18	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Potassium	3500		30	11	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Silver	<0.30		0.30	0.078	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Sodium	270		61	9.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Thallium	0.94		0.61	0.30	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Vanadium	24		0.30	0.072	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1
Zinc	58		1.2	0.53	mg/Kg	☆	01/06/25 17:28	01/07/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.44	J	0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 15:21	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:21	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 77.9

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		01/12/25 16:23	01/13/25 15:21	1
Chromium	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:21	1
Cobalt	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:21	1
Iron	<0.40		0.40	0.20	mg/L		01/12/25 16:23	01/13/25 15:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/12/25 16:23	01/13/25 15:21	1
Manganese	1.7		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:21	1
Nickel	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:21	1
Selenium	<0.050		0.050	0.020	mg/L		01/12/25 16:23	01/13/25 15:21	1
Silver	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:21	1
Zinc	<0.50	*+	0.50	0.020	mg/L		01/12/25 16:23	01/13/25 15:21	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		01/12/25 16:27	01/13/25 18:39	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		01/12/25 16:23	01/13/25 15:59	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/12/25 16:23	01/13/25 15:59	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		01/13/25 11:00	01/14/25 10:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.020	0.0082	mg/Kg	☆	01/07/25 16:45	01/08/25 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			12/27/24 12:07	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0066	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Benzene	<0.0016		0.0016	0.00050	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Bromodichloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Bromoform	<0.0016		0.0016	0.00092	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Bromomethane	<0.0040		0.0040	0.0019	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
2-Butanone (MEK)	<0.0040		0.0040	0.0017	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Carbon disulfide	<0.0040		0.0040	0.00073	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Carbon tetrachloride	<0.0016		0.0016	0.00054	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Chlorobenzene	<0.0016		0.0016	0.00067	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Chloroethane	<0.0040		0.0040	0.0013	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Chloroform	<0.0016		0.0016	0.0011	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Chloromethane	<0.0040		0.0040	0.00077	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00064	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00063	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Dibromochloromethane	<0.0016		0.0016	0.00073	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,1-Dichloroethane	<0.0016		0.0016	0.00060	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,2-Dichloroethane	<0.0040		0.0040	0.0010	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,1-Dichloroethene	<0.0016		0.0016	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00076	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Ethylbenzene	<0.0016		0.0016	0.00083	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
2-Hexanone	<0.0040		0.0040	0.0024	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Methylene Chloride	<0.0040		0.0040	0.0017	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.0028	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00051	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Styrene	<0.0016		0.0016	0.00071	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00079	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Tetrachloroethene	<0.0016		0.0016	0.00089	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Toluene	<0.0016		0.0016	0.00032	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00060	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00076	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00064	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00059	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Trichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Vinyl acetate	<0.0040		0.0040	0.00094	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Vinyl chloride	<0.0016	+	0.0016	0.00065	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1
Xylenes, Total	<0.0032		0.0032	0.00054	mg/Kg	☆	12/21/24 13:22	12/26/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	12/21/24 13:22	12/26/24 18:54	1
Dibromofluoromethane	95		75 - 126	12/21/24 13:22	12/26/24 18:54	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	12/21/24 13:22	12/26/24 18:54	1
Toluene-d8 (Surr)	96		75 - 124	12/21/24 13:22	12/26/24 18:54	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	☆	01/02/25 13:31	01/03/25 14:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.0

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	☆	01/02/25 13:31	01/03/25 14:43	1
2,4,5-Trichlorophenol	<0.39		0.39	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,4,6-Trichlorophenol	<0.39		0.39	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,4-Dichlorophenol	<0.39		0.39	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,4-Dimethylphenol	<0.39		0.39	0.088	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,4-Dinitrophenol	<0.79		0.79	0.23	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Methylnaphthalene	<0.079		0.079	0.0079	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Nitroaniline	<0.20		0.20	0.021	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
2-Nitrophenol	<0.39		0.39	0.027	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
3-Nitroaniline	<0.39		0.39	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.22	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Chloro-3-methylphenol	<0.39		0.39	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Chloroaniline	<0.79		0.79	0.41	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Nitroaniline	<0.39		0.39	0.029	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
4-Nitrophenol	<0.79		0.79	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Acenaphthene	<0.039		0.039	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Acenaphthylene	<0.039		0.039	0.0066	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Anthracene	<0.039		0.039	0.0080	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Benzo[a]anthracene	0.014 J		0.039	0.0083	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Benzo[a]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Benzo[b]fluoranthene	<0.039		0.039	0.037	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Benzo[g,h,i]perylene	0.028 J		0.039	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Benzo[k]fluoranthene	<0.039		0.039	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.15	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Butyl benzyl phthalate	<0.20		0.20	0.019	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Carbazole	<0.20		0.20	0.015	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Chrysene	0.016 J		0.039	0.010	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Dibenz(a,h)anthracene	<0.039		0.039	0.039	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Dimethyl phthalate	<0.20		0.20	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Di-n-butyl phthalate	<0.20		0.20	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Di-n-octyl phthalate	<0.39		0.39	0.27	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Fluoranthene	<0.039		0.039	0.0091	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Fluorene	<0.039		0.039	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Hexachlorobenzene	<0.079		0.079	0.0075	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Hexachlorocyclopentadiene	<0.79		0.79	0.41	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.0

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	☆	01/02/25 13:31	01/03/25 14:43	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.038	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Isophorone	<0.20		0.20	0.020	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Naphthalene	<0.039		0.039	0.0071	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Nitrobenzene	<0.039		0.039	0.012	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.0077	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.023	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Pentachlorophenol	<0.79		0.79	0.098	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Phenanthrene	<0.039		0.039	0.0085	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Phenol	<0.20		0.20	0.017	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1
Pyrene	0.016	J	0.039	0.011	mg/Kg	☆	01/02/25 13:31	01/03/25 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	95		31 - 166	01/02/25 13:31	01/03/25 14:43	1
Phenol-d5 (Surr)	91		30 - 153	01/02/25 13:31	01/03/25 14:43	1
Nitrobenzene-d5 (Surr)	90		37 - 147	01/02/25 13:31	01/03/25 14:43	1
2-Fluorobiphenyl (Surr)	88		43 - 145	01/02/25 13:31	01/03/25 14:43	1
2,4,6-Tribromophenol (Surr)	79		31 - 143	01/02/25 13:31	01/03/25 14:43	1
Terphenyl-d14 (Surr)	96		42 - 157	01/02/25 13:31	01/03/25 14:43	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J B	1.2	0.23	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Arsenic	6.9		0.60	0.20	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Barium	46		0.60	0.068	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Beryllium	0.72		0.24	0.056	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Boron	19		3.0	0.28	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Cadmium	0.12		0.12	0.021	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Calcium	66000	B	60	10	mg/Kg	☆	01/06/25 17:28	01/08/25 13:07	5
Chromium	20		0.60	0.29	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Cobalt	13		0.30	0.078	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Copper	19		0.60	0.17	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Iron	20000		12	6.2	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Lead	11		1.5	0.69	mg/Kg	☆	01/06/25 17:28	01/08/25 13:07	5
Magnesium	23000		6.0	3.0	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Manganese	330		0.60	0.086	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Nickel	34		0.60	0.17	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Potassium	3200		30	11	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Silver	<0.30		0.30	0.077	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Sodium	320		60	8.8	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Thallium	1.2		0.60	0.30	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Vanadium	23		0.30	0.070	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1
Zinc	56		1.2	0.52	mg/Kg	☆	01/06/25 17:28	01/07/25 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.62		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 15:26	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 15:26	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.0

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		01/12/25 16:23	01/13/25 15:26	1
Chromium	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:26	1
Cobalt	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:26	1
Iron	<0.40		0.40	0.20	mg/L		01/12/25 16:23	01/13/25 15:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/12/25 16:23	01/13/25 15:26	1
Manganese	2.1		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:26	1
Nickel	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:26	1
Selenium	<0.050		0.050	0.020	mg/L		01/12/25 16:23	01/13/25 15:26	1
Silver	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 15:26	1
Zinc	<0.50	*+	0.50	0.020	mg/L		01/12/25 16:23	01/13/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.4		0.025	0.010	mg/L		01/12/25 16:27	01/13/25 18:43	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		01/12/25 16:23	01/13/25 16:03	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/12/25 16:23	01/13/25 16:03	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		01/13/25 11:00	01/14/25 10:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J F1	0.019	0.0078	mg/Kg	☆	01/07/25 16:45	01/08/25 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			12/27/24 12:09	1

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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-WO 046 Halsted St PSI

Job ID: 500-261987-1

GC/MS VOA

Prep Batch: 800494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	5035	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	5035	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	5035	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	5035	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	5035	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	5035	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	5035	

Analysis Batch: 800690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	8260D	800494
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	8260D	800494
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	8260D	800494
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	8260D	800494
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	8260D	800494
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	8260D	800494
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	8260D	800494
MB 500-800690/8	Method Blank	Total/NA	Solid	8260D	
LCS 500-800690/50	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-800690/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 801474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	3546	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	3546	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	3546	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	3546	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	3546	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	3546	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	3546	
MB 500-801474/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-801474/2-A	Lab Control Sample	Total/NA	Solid	3546	
500-261987-6 MS	2555-02-B01 (0-8)	Total/NA	Solid	3546	
500-261987-6 MSD	2555-02-B01 (0-8)	Total/NA	Solid	3546	

Analysis Batch: 801575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	8270E	801474
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	8270E	801474
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	8270E	801474
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	8270E	801474
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	8270E	801474
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	8270E	801474
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	8270E	801474
MB 500-801474/1-A	Method Blank	Total/NA	Solid	8270E	801474
LCS 500-801474/2-A	Lab Control Sample	Total/NA	Solid	8270E	801474
500-261987-6 MS	2555-02-B01 (0-8)	Total/NA	Solid	8270E	801474
500-261987-6 MSD	2555-02-B01 (0-8)	Total/NA	Solid	8270E	801474

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Metals

Prep Batch: 801863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	3050B	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	3050B	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	3050B	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	3050B	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	3050B	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	3050B	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	3050B	

Prep Batch: 801987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	7471B	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	7471B	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	7471B	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	7471B	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	7471B	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	7471B	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	7471B	
MB 500-801987/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-801987/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-261987-5 MS	2555-01-B01 (8-15)	Total/NA	Solid	7471B	
500-261987-5 MSD	2555-01-B01 (8-15)	Total/NA	Solid	7471B	
500-261987-5 DU	2555-01-B01 (8-15)	Total/NA	Solid	7471B	

Analysis Batch: 802072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	6010D	801863
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	6010D	801863
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	6010D	801863
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	6010D	801863
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	6010D	801863
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	6010D	801863
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	6010D	801863

Analysis Batch: 802118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	7471B	801987
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	7471B	801987
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	7471B	801987
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	7471B	801987
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	7471B	801987
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	7471B	801987
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	7471B	801987
MB 500-801987/12-A	Method Blank	Total/NA	Solid	7471B	801987
LCS 500-801987/13-A	Lab Control Sample	Total/NA	Solid	7471B	801987
500-261987-5 MS	2555-01-B01 (8-15)	Total/NA	Solid	7471B	801987
500-261987-5 MSD	2555-01-B01 (8-15)	Total/NA	Solid	7471B	801987
500-261987-5 DU	2555-01-B01 (8-15)	Total/NA	Solid	7471B	801987

Analysis Batch: 802179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	6010D	801863

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Metals (Continued)

Analysis Batch: 802179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	6010D	801863
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	6010D	801863
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	6010D	801863

Analysis Batch: 802249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	6010D	801863

Leach Batch: 802457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	1311	
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	1311	
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	1311	
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	1311	
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	1311	
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	1311	
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	1311	
LB 500-802457/1-B	Method Blank	TCLP	Solid	1311	
LB 500-802457/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 802458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	SPLP East	Solid	1312	
500-261987-2	2555-01-B02 (8-15)	SPLP East	Solid	1312	
500-261987-3	2555-01-B01 (0-8)	SPLP East	Solid	1312	
500-261987-4	2555-01-B01 (0-8)D	SPLP East	Solid	1312	
500-261987-5	2555-01-B01 (8-15)	SPLP East	Solid	1312	
500-261987-6	2555-02-B01 (0-8)	SPLP East	Solid	1312	
500-261987-7	2555-02-B01 (8-15)	SPLP East	Solid	1312	
LB 500-802458/1-B	Method Blank	SPLP East	Solid	1312	

Prep Batch: 802546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	3010A	802457
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	3010A	802457
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	3010A	802457
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	3010A	802457
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	3010A	802457
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	3010A	802457
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	3010A	802457
LB 500-802457/1-B	Method Blank	TCLP	Solid	3010A	802457
LCS 500-802546/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 802548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	SPLP East	Solid	3010A	802458
500-261987-2	2555-01-B02 (8-15)	SPLP East	Solid	3010A	802458
500-261987-3	2555-01-B01 (0-8)	SPLP East	Solid	3010A	802458
500-261987-4	2555-01-B01 (0-8)D	SPLP East	Solid	3010A	802458
500-261987-5	2555-01-B01 (8-15)	SPLP East	Solid	3010A	802458
500-261987-6	2555-02-B01 (0-8)	SPLP East	Solid	3010A	802458

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Metals (Continued)

Prep Batch: 802548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-7	2555-02-B01 (8-15)	SPLP East	Solid	3010A	802458
LB 500-802458/1-B	Method Blank	SPLP East	Solid	3010A	802458
LCS 500-802548/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 802649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	7470A	802457
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	7470A	802457
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	7470A	802457
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	7470A	802457
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	7470A	802457
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	7470A	802457
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	7470A	802457
LB 500-802457/1-C	Method Blank	TCLP	Solid	7470A	802457
MB 500-802649/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-802649/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 802745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	6020B	802546
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	6020B	802546
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	6020B	802546
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	6020B	802546
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	6020B	802546
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	6020B	802546
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	6020B	802546
LB 500-802457/1-B	Method Blank	TCLP	Solid	6020B	802546
LCS 500-802546/2-A	Lab Control Sample	Total/NA	Solid	6020B	802546

Analysis Batch: 802753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	SPLP East	Solid	6010D	802548
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	6010D	802546
500-261987-2	2555-01-B02 (8-15)	SPLP East	Solid	6010D	802548
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	6010D	802546
500-261987-3	2555-01-B01 (0-8)	SPLP East	Solid	6010D	802548
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	6010D	802546
500-261987-4	2555-01-B01 (0-8)D	SPLP East	Solid	6010D	802548
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	6010D	802546
500-261987-5	2555-01-B01 (8-15)	SPLP East	Solid	6010D	802548
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	6010D	802546
500-261987-6	2555-02-B01 (0-8)	SPLP East	Solid	6010D	802548
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	6010D	802546
500-261987-7	2555-02-B01 (8-15)	SPLP East	Solid	6010D	802548
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	6010D	802546
LB 500-802457/1-B	Method Blank	TCLP	Solid	6010D	802546
LB 500-802458/1-B	Method Blank	SPLP East	Solid	6010D	802548
LCS 500-802546/2-A	Lab Control Sample	Total/NA	Solid	6010D	802546
LCS 500-802548/2-A	Lab Control Sample	Total/NA	Solid	6010D	802548

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Metals

Analysis Batch: 802820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	TCLP	Solid	7470A	802649
500-261987-2	2555-01-B02 (8-15)	TCLP	Solid	7470A	802649
500-261987-3	2555-01-B01 (0-8)	TCLP	Solid	7470A	802649
500-261987-4	2555-01-B01 (0-8)D	TCLP	Solid	7470A	802649
500-261987-5	2555-01-B01 (8-15)	TCLP	Solid	7470A	802649
500-261987-6	2555-02-B01 (0-8)	TCLP	Solid	7470A	802649
500-261987-7	2555-02-B01 (8-15)	TCLP	Solid	7470A	802649
LB 500-802457/1-C	Method Blank	TCLP	Solid	7470A	802649
MB 500-802649/12-A	Method Blank	Total/NA	Solid	7470A	802649
LCS 500-802649/14-A	Lab Control Sample	Total/NA	Solid	7470A	802649

General Chemistry

Analysis Batch: 800925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	9045D	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	9045D	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	9045D	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	9045D	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	9045D	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	9045D	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	9045D	
LCS 500-800925/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-800925/3	Lab Control Sample Dup	Total/NA	Solid	9045D	

Analysis Batch: 801298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-261987-1	2555-01-B02 (0-8)	Total/NA	Solid	Moisture	
500-261987-2	2555-01-B02 (8-15)	Total/NA	Solid	Moisture	
500-261987-3	2555-01-B01 (0-8)	Total/NA	Solid	Moisture	
500-261987-4	2555-01-B01 (0-8)D	Total/NA	Solid	Moisture	
500-261987-5	2555-01-B01 (8-15)	Total/NA	Solid	Moisture	
500-261987-6	2555-02-B01 (0-8)	Total/NA	Solid	Moisture	
500-261987-7	2555-02-B01 (8-15)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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)
500-261987-1	2555-01-B02 (0-8)	92	103	111	86
500-261987-2	2555-01-B02 (8-15)	96	106	111	89
500-261987-3	2555-01-B01 (0-8)	101	104	114	95
500-261987-4	2555-01-B01 (0-8)D	92	104	108	87
500-261987-5	2555-01-B01 (8-15)	97	95	103	96
500-261987-6	2555-02-B01 (0-8)	99	97	108	101
500-261987-7	2555-02-B01 (8-15)	108	103	111	87
LCS 500-800690/50	Lab Control Sample	90	101	89	96
LCSD 500-800690/5	Lab Control Sample Dup	89	102	94	96
MB 500-800690/8	Method Blank	95	96	91	112

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)
500-261987-1	2555-01-B02 (0-8)	83	84	80	80	79	98
500-261987-2	2555-01-B02 (8-15)	90	88	87	85	79	96
500-261987-3	2555-01-B01 (0-8)	92	92	87	87	83	98
500-261987-4	2555-01-B01 (0-8)D	81	82	79	79	78	93
500-261987-5	2555-01-B01 (8-15)	95	91	90	88	79	96
500-261987-6	2555-02-B01 (0-8)	85	86	81	80	76	90
500-261987-6 MS	2555-02-B01 (0-8)	84	84	84	82	80	86
500-261987-6 MSD	2555-02-B01 (0-8)	84	84	83	79	77	84
500-261987-7	2555-02-B01 (8-15)	87	83	81	79	72	88
LCS 500-801474/2-A	Lab Control Sample	99	96	97	90	87	94
MB 500-801474/1-A	Method Blank	107	102	105	92	84	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)

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: MB 500-800690/8

Matrix: Solid

Analysis Batch: 800690

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			12/26/24 11:51	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			12/26/24 11:51	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			12/26/24 11:51	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			12/26/24 11:51	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			12/26/24 11:51	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			12/26/24 11:51	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			12/26/24 11:51	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			12/26/24 11:51	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			12/26/24 11:51	1
Chloroethane	<0.0050		0.0050	0.0016	mg/Kg			12/26/24 11:51	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			12/26/24 11:51	1
Chloromethane	<0.0050		0.0050	0.00097	mg/Kg			12/26/24 11:51	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			12/26/24 11:51	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00080	mg/Kg			12/26/24 11:51	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			12/26/24 11:51	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			12/26/24 11:51	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			12/26/24 11:51	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			12/26/24 11:51	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			12/26/24 11:51	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00096	mg/Kg			12/26/24 11:51	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			12/26/24 11:51	1
2-Hexanone	<0.0050		0.0050	0.0030	mg/Kg			12/26/24 11:51	1
Methylene Chloride	<0.0050		0.0050	0.0021	mg/Kg			12/26/24 11:51	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0036	mg/Kg			12/26/24 11:51	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			12/26/24 11:51	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			12/26/24 11:51	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00099	mg/Kg			12/26/24 11:51	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			12/26/24 11:51	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			12/26/24 11:51	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			12/26/24 11:51	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00096	mg/Kg			12/26/24 11:51	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00081	mg/Kg			12/26/24 11:51	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			12/26/24 11:51	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			12/26/24 11:51	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			12/26/24 11:51	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			12/26/24 11:51	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			12/26/24 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131		12/26/24 11:51	1
Dibromofluoromethane	96		75 - 126		12/26/24 11:51	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134		12/26/24 11:51	1
Toluene-d8 (Surr)	112		75 - 124		12/26/24 11:51	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: LCS 500-800690/50

Matrix: Solid

Analysis Batch: 800690

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	0.0567		mg/Kg		113	40 - 150
Benzene	0.0500	0.0420		mg/Kg		84	70 - 125
Bromodichloromethane	0.0500	0.0389		mg/Kg		78	67 - 129
Bromoform	0.0500	0.0343		mg/Kg		69	68 - 136
Bromomethane	0.0500	0.0421		mg/Kg		84	70 - 130
2-Butanone (MEK)	0.0500	0.0612		mg/Kg		122	47 - 138
Carbon disulfide	0.0500	0.0359		mg/Kg		72	70 - 129
Carbon tetrachloride	0.0500	0.0426		mg/Kg		85	75 - 125
Chlorobenzene	0.0500	0.0425		mg/Kg		85	50 - 150
Chloroethane	0.0500	0.0486		mg/Kg		97	75 - 125
Chloroform	0.0500	0.0388		mg/Kg		78	57 - 135
Chloromethane	0.0500	0.0534		mg/Kg		107	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0426		mg/Kg		85	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0400		mg/Kg		80	70 - 125
Dibromochloromethane	0.0500	0.0419		mg/Kg		84	69 - 125
1,1-Dichloroethane	0.0500	0.0428		mg/Kg		86	70 - 125
1,2-Dichloroethane	0.0500	0.0409		mg/Kg		82	70 - 130
1,1-Dichloroethene	0.0500	0.0385		mg/Kg		77	70 - 120
1,2-Dichloropropane	0.0500	0.0482		mg/Kg		96	70 - 125
Ethylbenzene	0.0500	0.0419		mg/Kg		84	61 - 136
2-Hexanone	0.0500	0.0512		mg/Kg		102	48 - 146
Methylene Chloride	0.0500	0.0399		mg/Kg		80	70 - 126
4-Methyl-2-pentanone (MIBK)	0.0500	0.0528		mg/Kg		106	50 - 148
Methyl tert-butyl ether	0.0500	0.0383		mg/Kg		77	50 - 140
Styrene	0.0500	0.0421		mg/Kg		84	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0406		mg/Kg		81	70 - 122
Tetrachloroethene	0.0500	0.0439		mg/Kg		88	70 - 124
Toluene	0.0500	0.0408		mg/Kg		82	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0411		mg/Kg		82	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0386		mg/Kg		77	70 - 125
1,1,1-Trichloroethane	0.0500	0.0402		mg/Kg		80	70 - 128
1,1,2-Trichloroethane	0.0500	0.0411		mg/Kg		82	70 - 125
Trichloroethene	0.0500	0.0487		mg/Kg		97	70 - 125
Vinyl acetate	0.0500	0.0466		mg/Kg		93	40 - 153
Vinyl chloride	0.0500	0.0703	*+	mg/Kg		141	70 - 125
Xylenes, Total	0.100	0.0753		mg/Kg		75	53 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		75 - 131
Dibromofluoromethane	101		75 - 126
1,2-Dichloroethane-d4 (Surr)	89		70 - 134
Toluene-d8 (Surr)	96		75 - 124

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: LCSD 500-800690/5

Matrix: Solid

Analysis Batch: 800690

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	0.0510		mg/Kg		102	40 - 150	11	30
Benzene	0.0500	0.0468		mg/Kg		94	70 - 125	11	30
Bromodichloromethane	0.0500	0.0446		mg/Kg		89	67 - 129	14	30
Bromoform	0.0500	0.0387		mg/Kg		77	68 - 136	12	30
Bromomethane	0.0500	0.0422		mg/Kg		84	70 - 130	0	30
2-Butanone (MEK)	0.0500	0.0543		mg/Kg		109	47 - 138	12	30
Carbon disulfide	0.0500	0.0402		mg/Kg		80	70 - 129	11	30
Carbon tetrachloride	0.0500	0.0485		mg/Kg		97	75 - 125	13	30
Chlorobenzene	0.0500	0.0470		mg/Kg		94	50 - 150	10	30
Chloroethane	0.0500	0.0494		mg/Kg		99	75 - 125	2	30
Chloroform	0.0500	0.0431		mg/Kg		86	57 - 135	11	30
Chloromethane	0.0500	0.0531		mg/Kg		106	70 - 125	1	30
cis-1,2-Dichloroethene	0.0500	0.0469		mg/Kg		94	70 - 125	10	30
cis-1,3-Dichloropropene	0.0500	0.0454		mg/Kg		91	70 - 125	13	30
Dibromochloromethane	0.0500	0.0464		mg/Kg		93	69 - 125	10	30
1,1-Dichloroethane	0.0500	0.0476		mg/Kg		95	70 - 125	11	30
1,2-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 130	10	30
1,1-Dichloroethene	0.0500	0.0434		mg/Kg		87	70 - 120	12	30
1,2-Dichloropropane	0.0500	0.0530		mg/Kg		106	70 - 125	10	30
Ethylbenzene	0.0500	0.0465		mg/Kg		93	61 - 136	10	30
2-Hexanone	0.0500	0.0469		mg/Kg		94	48 - 146	9	30
Methylene Chloride	0.0500	0.0442		mg/Kg		88	70 - 126	10	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0474		mg/Kg		95	50 - 148	11	30
Methyl tert-butyl ether	0.0500	0.0440		mg/Kg		88	50 - 140	14	30
Styrene	0.0500	0.0467		mg/Kg		93	70 - 125	10	30
1,1,2,2-Tetrachloroethane	0.0500	0.0438		mg/Kg		88	70 - 122	8	30
Tetrachloroethene	0.0500	0.0481		mg/Kg		96	70 - 124	9	30
Toluene	0.0500	0.0450		mg/Kg		90	70 - 125	10	30
trans-1,2-Dichloroethene	0.0500	0.0464		mg/Kg		93	70 - 125	12	30
trans-1,3-Dichloropropene	0.0500	0.0437		mg/Kg		87	70 - 125	12	30
1,1,1-Trichloroethane	0.0500	0.0454		mg/Kg		91	70 - 128	12	30
1,1,2-Trichloroethane	0.0500	0.0457		mg/Kg		91	70 - 125	10	30
Trichloroethene	0.0500	0.0533		mg/Kg		107	70 - 125	9	30
Vinyl acetate	0.0500	0.0501		mg/Kg		100	40 - 153	7	30
Vinyl chloride	0.0500	0.0695	*+	mg/Kg		139	70 - 125	1	30
Xylenes, Total	0.100	0.0834		mg/Kg		83	53 - 147	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		75 - 131
Dibromofluoromethane	102		75 - 126
1,2-Dichloroethane-d4 (Surr)	94		70 - 134
Toluene-d8 (Surr)	96		75 - 124

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: MB 500-801474/1-A

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 801474

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		01/02/25 13:31	01/03/25 11:02	1
1,2-Dichlorobenzene	<0.17		0.17	0.014	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
1,3-Dichlorobenzene	<0.17		0.17	0.015	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
1,4-Dichlorobenzene	<0.17		0.17	0.016	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.024	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4,5-Trichlorophenol	<0.33		0.33	0.013	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4,6-Trichlorophenol	<0.33		0.33	0.011	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4-Dichlorophenol	<0.33		0.33	0.012	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4-Dimethylphenol	<0.33		0.33	0.074	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4-Dinitrophenol	<0.67		0.67	0.19	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,4-Dinitrotoluene	<0.17		0.17	0.019	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2,6-Dinitrotoluene	<0.17		0.17	0.011	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Chloronaphthalene	<0.17		0.17	0.012	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Chlorophenol	<0.17		0.17	0.011	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Methylnaphthalene	<0.067		0.067	0.0067	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Methylphenol	<0.17		0.17	0.018	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Nitroaniline	<0.17		0.17	0.018	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
2-Nitrophenol	<0.33		0.33	0.023	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
3 & 4 Methylphenol	<0.17		0.17	0.024	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.027	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
3-Nitroaniline	<0.33		0.33	0.015	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.19	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.023	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Chloro-3-methylphenol	<0.33		0.33	0.013	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Chloroaniline	<0.67		0.67	0.35	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Nitroaniline	<0.33		0.33	0.025	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
4-Nitrophenol	<0.67		0.67	0.12	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Acenaphthene	<0.033		0.033	0.0068	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Acenaphthylene	<0.033		0.033	0.0056	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Anthracene	<0.033		0.033	0.0068	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Benzo[a]anthracene	<0.033		0.033	0.0070	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Benzo[a]pyrene	<0.033		0.033	0.032	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Benzo[b]fluoranthene	<0.033		0.033	0.032	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Benzo[g,h,i]perylene	<0.033		0.033	0.0072	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Benzo[k]fluoranthene	<0.033		0.033	0.013	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.012	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.015	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.13	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Butyl benzyl phthalate	<0.17		0.17	0.017	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Carbazole	<0.17		0.17	0.013	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Chrysene	<0.033		0.033	0.0088	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Dibenz(a,h)anthracene	<0.033		0.033	0.033	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Dibenzofuran	<0.17		0.17	0.012	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Diethyl phthalate	<0.17		0.17	0.015	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Dimethyl phthalate	<0.17		0.17	0.0072	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Di-n-butyl phthalate	<0.17		0.17	0.011	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Di-n-octyl phthalate	<0.33		0.33	0.23	mg/Kg		01/02/25 13:31	01/03/25 11:02	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: MB 500-801474/1-A

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 801474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.033		0.033	0.0077	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Fluorene	<0.033		0.033	0.0098	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Hexachlorobenzene	<0.067		0.067	0.0064	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Hexachlorobutadiene	<0.17		0.17	0.019	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Hexachlorocyclopentadiene	<0.67		0.67	0.35	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Hexachloroethane	<0.17		0.17	0.017	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.032	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Isophorone	<0.17		0.17	0.017	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Naphthalene	<0.033		0.033	0.0060	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Nitrobenzene	<0.033		0.033	0.011	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.0066	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
N-Nitrosodiphenylamine	<0.17		0.17	0.020	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Pentachlorophenol	<0.67		0.67	0.083	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Phenanthrene	<0.033		0.033	0.0072	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Phenol	<0.17		0.17	0.014	mg/Kg		01/02/25 13:31	01/03/25 11:02	1
Pyrene	<0.033		0.033	0.0091	mg/Kg		01/02/25 13:31	01/03/25 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	107		31 - 166	01/02/25 13:31	01/03/25 11:02	1
Phenol-d5 (Surr)	102		30 - 153	01/02/25 13:31	01/03/25 11:02	1
Nitrobenzene-d5 (Surr)	105		37 - 147	01/02/25 13:31	01/03/25 11:02	1
2-Fluorobiphenyl (Surr)	92		43 - 145	01/02/25 13:31	01/03/25 11:02	1
2,4,6-Tribromophenol (Surr)	84		31 - 143	01/02/25 13:31	01/03/25 11:02	1
Terphenyl-d14 (Surr)	107		42 - 157	01/02/25 13:31	01/03/25 11:02	1

Lab Sample ID: LCS 500-801474/2-A

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	3.33	2.82		mg/Kg		85	49 - 100
1,2-Dichlorobenzene	3.33	2.85		mg/Kg		86	47 - 94
1,3-Dichlorobenzene	3.33	2.83		mg/Kg		85	47 - 92
1,4-Dichlorobenzene	3.33	2.78		mg/Kg		84	46 - 92
2,2'-oxybis[1-chloropropane]	3.33	3.60		mg/Kg		108	43 - 111
2,4,5-Trichlorophenol	3.33	3.02		mg/Kg		91	48 - 121
2,4,6-Trichlorophenol	3.33	2.93		mg/Kg		88	50 - 121
2,4-Dichlorophenol	3.33	2.92		mg/Kg		88	51 - 109
2,4-Dimethylphenol	3.33	3.04		mg/Kg		91	48 - 93
2,4-Dinitrophenol	6.67	4.09		mg/Kg		61	10 - 130
2,4-Dinitrotoluene	3.33	2.89		mg/Kg		87	65 - 120
2,6-Dinitrotoluene	3.33	3.01		mg/Kg		90	66 - 117
2-Chloronaphthalene	3.33	3.01		mg/Kg		90	60 - 107
2-Chlorophenol	3.33	3.03		mg/Kg		91	50 - 102
2-Methylnaphthalene	3.33	2.89		mg/Kg		87	58 - 103
2-Methylphenol	3.33	2.83		mg/Kg		85	50 - 104
2-Nitroaniline	3.33	3.64		mg/Kg		109	61 - 126
2-Nitrophenol	3.33	2.93		mg/Kg		88	41 - 114

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: LCS 500-801474/2-A

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3 & 4 Methylphenol	3.33	2.98		mg/Kg		89	49 - 109
3,3'-Dichlorobenzidine	3.33	2.30		mg/Kg		69	36 - 131
3-Nitroaniline	3.33	2.69		mg/Kg		81	44 - 124
4,6-Dinitro-2-methylphenol	6.67	5.81		mg/Kg		87	36 - 138
4-Bromophenyl phenyl ether	3.33	3.34		mg/Kg		100	57 - 124
4-Chloro-3-methylphenol	3.33	3.12		mg/Kg		94	57 - 113
4-Chloroaniline	3.33	2.49		mg/Kg		75	22 - 110
4-Chlorophenyl phenyl ether	3.33	2.74		mg/Kg		82	60 - 112
4-Nitroaniline	3.33	2.73		mg/Kg		82	60 - 115
4-Nitrophenol	6.67	5.40		mg/Kg		81	45 - 126
Acenaphthene	3.33	3.02		mg/Kg		91	63 - 109
Acenaphthylene	3.33	3.08		mg/Kg		92	61 - 115
Anthracene	3.33	3.38		mg/Kg		101	68 - 120
Benzo[a]anthracene	3.33	3.20		mg/Kg		96	70 - 121
Benzo[a]pyrene	3.33	3.21		mg/Kg		96	73 - 132
Benzo[b]fluoranthene	3.33	3.43		mg/Kg		103	68 - 123
Benzo[g,h,i]perylene	3.33	3.44		mg/Kg		103	65 - 126
Benzo[k]fluoranthene	3.33	3.19		mg/Kg		96	64 - 128
Bis(2-chloroethoxy)methane	3.33	3.05		mg/Kg		91	54 - 102
Bis(2-chloroethyl)ether	3.33	3.09		mg/Kg		93	49 - 99
Bis(2-ethylhexyl) phthalate	3.33	3.27		mg/Kg		98	70 - 139
Butyl benzyl phthalate	3.33	3.42		mg/Kg		103	65 - 140
Carbazole	3.33	3.18		mg/Kg		95	68 - 120
Chrysene	3.33	3.22		mg/Kg		96	70 - 123
Dibenz(a,h)anthracene	3.33	3.48		mg/Kg		105	66 - 125
Dibenzofuran	3.33	2.88		mg/Kg		86	64 - 112
Diethyl phthalate	3.33	2.90		mg/Kg		87	66 - 115
Dimethyl phthalate	3.33	2.98		mg/Kg		89	65 - 114
Di-n-butyl phthalate	3.33	3.33		mg/Kg		100	69 - 125
Di-n-octyl phthalate	3.33	3.24		mg/Kg		97	61 - 131
Fluoranthene	3.33	3.27		mg/Kg		98	66 - 123
Fluorene	3.33	2.96		mg/Kg		89	62 - 113
Hexachlorobenzene	3.33	3.29		mg/Kg		99	52 - 126
Hexachlorobutadiene	3.33	2.84		mg/Kg		85	42 - 103
Hexachlorocyclopentadiene	3.33	2.20		mg/Kg		66	10 - 100
Hexachloroethane	3.33	2.94		mg/Kg		88	45 - 95
Indeno[1,2,3-cd]pyrene	3.33	3.56		mg/Kg		107	66 - 131
Isophorone	3.33	3.18		mg/Kg		95	47 - 108
Naphthalene	3.33	2.94		mg/Kg		88	54 - 98
Nitrobenzene	3.33	3.34		mg/Kg		100	52 - 105
N-Nitrosodi-n-propylamine	3.33	3.33		mg/Kg		100	48 - 110
N-Nitrosodiphenylamine	3.33	3.42		mg/Kg		103	67 - 112
Pentachlorophenol	6.67	6.04		mg/Kg		91	32 - 128
Phenanthrene	3.33	3.27		mg/Kg		98	65 - 115
Phenol	3.33	3.16		mg/Kg		95	52 - 110
Pyrene	3.33	3.25		mg/Kg		98	71 - 128

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: LCS 500-801474/2-A

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 801474

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	99		31 - 166
Phenol-d5 (Surr)	96		30 - 153
Nitrobenzene-d5 (Surr)	97		37 - 147
2-Fluorobiphenyl (Surr)	90		43 - 145
2,4,6-Tribromophenol (Surr)	87		31 - 143
Terphenyl-d14 (Surr)	94		42 - 157

Lab Sample ID: 500-261987-6 MS

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: 2555-02-B01 (0-8)

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	<0.22		4.36	3.13		mg/Kg	✱	72	66 - 117
1,2-Dichlorobenzene	<0.22		4.36	2.92		mg/Kg	✱	67	62 - 110
1,3-Dichlorobenzene	<0.22		4.36	2.85		mg/Kg	✱	65	60 - 110
1,4-Dichlorobenzene	<0.22		4.36	2.87		mg/Kg	✱	66	61 - 110
2,2'-oxybis[1-chloropropane]	<0.22		4.36	3.91		mg/Kg	✱	90	40 - 124
2,4,5-Trichlorophenol	<0.43		4.36	3.72		mg/Kg	✱	85	50 - 120
2,4,6-Trichlorophenol	<0.43		4.36	3.67		mg/Kg	✱	84	57 - 120
2,4-Dichlorophenol	<0.43		4.36	3.44		mg/Kg	✱	79	58 - 120
2,4-Dimethylphenol	<0.43		4.36	3.60		mg/Kg	✱	83	60 - 110
2,4-Dinitrophenol	<0.87		8.71	5.17		mg/Kg	✱	59	10 - 100
2,4-Dinitrotoluene	<0.22		4.36	3.63		mg/Kg	✱	83	69 - 124
2,6-Dinitrotoluene	<0.22		4.36	3.70		mg/Kg	✱	85	70 - 123
2-Chloronaphthalene	<0.22		4.36	3.60		mg/Kg	✱	83	69 - 114
2-Chlorophenol	<0.22		4.36	3.46		mg/Kg	✱	79	64 - 110
2-Methylnaphthalene	<0.087		4.36	3.52		mg/Kg	✱	81	69 - 112
2-Methylphenol	<0.22		4.36	3.23		mg/Kg	✱	74	60 - 120
2-Nitroaniline	<0.22		4.36	4.59		mg/Kg	✱	105	57 - 124
2-Nitrophenol	<0.43		4.36	3.37		mg/Kg	✱	77	60 - 120
3 & 4 Methylphenol	<0.22		4.36	3.47		mg/Kg	✱	80	57 - 120
3,3'-Dichlorobenzidine	<0.22		4.36	2.65		mg/Kg	✱	61	35 - 128
3-Nitroaniline	<0.43		4.36	3.49		mg/Kg	✱	80	40 - 122
4,6-Dinitro-2-methylphenol	<0.87		8.71	6.79		mg/Kg	✱	78	10 - 110
4-Bromophenyl phenyl ether	<0.22		4.36	4.03		mg/Kg	✱	93	68 - 118
4-Chloro-3-methylphenol	<0.43		4.36	3.90		mg/Kg	✱	90	65 - 122
4-Chloroaniline	<0.87		4.36	3.00		mg/Kg	✱	69	30 - 150
4-Chlorophenyl phenyl ether	<0.22		4.36	3.33		mg/Kg	✱	76	62 - 119
4-Nitroaniline	<0.43		4.36	3.47		mg/Kg	✱	80	60 - 160
4-Nitrophenol	<0.87		8.71	7.39		mg/Kg	✱	85	30 - 122
Acenaphthene	<0.043		4.36	3.69		mg/Kg	✱	85	65 - 124
Acenaphthylene	<0.043		4.36	3.77		mg/Kg	✱	87	68 - 120
Anthracene	<0.043		4.36	4.14		mg/Kg	✱	95	70 - 114
Benzo[a]anthracene	0.017	J	4.36	3.76		mg/Kg	✱	86	67 - 122
Benzo[a]pyrene	<0.043		4.36	3.81		mg/Kg	✱	87	65 - 133
Benzo[b]fluoranthene	<0.043		4.36	4.20		mg/Kg	✱	96	69 - 129
Benzo[g,h,i]perylene	0.018	J F1	4.36	2.95	F1	mg/Kg	✱	67	72 - 131
Benzo[k]fluoranthene	<0.043		4.36	3.72		mg/Kg	✱	85	68 - 127

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: 500-261987-6 MS

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: 2555-02-B01 (0-8)

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	<0.22		4.36	3.55		mg/Kg	✱	81	60 - 112
Bis(2-chloroethyl)ether	<0.22		4.36	3.38		mg/Kg	✱	78	55 - 111
Bis(2-ethylhexyl) phthalate	<0.22		4.36	3.58		mg/Kg	✱	82	72 - 131
Butyl benzyl phthalate	<0.22		4.36	3.99		mg/Kg	✱	92	71 - 129
Carbazole	<0.22		4.36	3.84		mg/Kg	✱	88	65 - 142
Chrysene	<0.043		4.36	3.77		mg/Kg	✱	87	63 - 120
Dibenz(a,h)anthracene	<0.043		4.36	3.21		mg/Kg	✱	74	64 - 131
Dibenzofuran	<0.22		4.36	3.60		mg/Kg	✱	83	66 - 115
Diethyl phthalate	<0.22		4.36	3.58		mg/Kg	✱	82	58 - 120
Dimethyl phthalate	<0.22		4.36	3.65		mg/Kg	✱	84	69 - 116
Di-n-butyl phthalate	<0.22		4.36	4.01		mg/Kg	✱	92	65 - 120
Di-n-octyl phthalate	<0.43		4.36	3.68		mg/Kg	✱	85	68 - 134
Fluoranthene	0.014	J F1	4.36	4.36		mg/Kg	✱	100	62 - 120
Fluorene	<0.043		4.36	3.59		mg/Kg	✱	82	62 - 120
Hexachlorobenzene	<0.087		4.36	3.97		mg/Kg	✱	91	63 - 124
Hexachlorobutadiene	<0.22		4.36	3.17		mg/Kg	✱	73	56 - 120
Hexachlorocyclopentadiene	<0.87	F2	4.36	0.945		mg/Kg	✱	22	10 - 133
Hexachloroethane	<0.22		4.36	2.80		mg/Kg	✱	64	60 - 114
Indeno[1,2,3-cd]pyrene	<0.043		4.36	3.41		mg/Kg	✱	78	68 - 130
Isophorone	<0.22		4.36	3.73		mg/Kg	✱	86	55 - 110
Naphthalene	<0.043		4.36	3.36		mg/Kg	✱	77	63 - 110
Nitrobenzene	<0.043		4.36	3.82		mg/Kg	✱	88	60 - 116
N-Nitrosodi-n-propylamine	<0.087		4.36	3.67		mg/Kg	✱	84	56 - 118
N-Nitrosodiphenylamine	<0.22		4.36	4.04		mg/Kg	✱	93	65 - 112
Pentachlorophenol	<0.87		8.71	6.96		mg/Kg	✱	80	13 - 112
Phenanthrene	<0.043		4.36	4.10		mg/Kg	✱	94	62 - 120
Phenol	<0.22		4.36	3.59		mg/Kg	✱	82	56 - 122
Pyrene	0.014	J	4.36	4.17		mg/Kg	✱	95	61 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	84		31 - 166
Phenol-d5 (Surr)	84		30 - 153
Nitrobenzene-d5 (Surr)	84		37 - 147
2-Fluorobiphenyl (Surr)	82		43 - 145
2,4,6-Tribromophenol (Surr)	80		31 - 143
Terphenyl-d14 (Surr)	86		42 - 157

Lab Sample ID: 500-261987-6 MSD

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: 2555-02-B01 (0-8)

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,2,4-Trichlorobenzene	<0.22		4.42	3.19		mg/Kg	✱	72	66 - 117	2	30
1,2-Dichlorobenzene	<0.22		4.42	3.08		mg/Kg	✱	70	62 - 110	5	30
1,3-Dichlorobenzene	<0.22		4.42	3.02		mg/Kg	✱	68	60 - 110	6	30
1,4-Dichlorobenzene	<0.22		4.42	3.01		mg/Kg	✱	68	61 - 110	5	30
2,2'-oxybis[1-chloropropane]	<0.22		4.42	4.04		mg/Kg	✱	91	40 - 124	3	30
2,4,5-Trichlorophenol	<0.43		4.42	3.72		mg/Kg	✱	84	50 - 120	0	30

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: 500-261987-6 MSD

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: 2555-02-B01 (0-8)

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	<0.43		4.42	3.64		mg/Kg	✱	82	57 - 120	1	30
2,4-Dichlorophenol	<0.43		4.42	3.41		mg/Kg	✱	77	58 - 120	1	30
2,4-Dimethylphenol	<0.43		4.42	3.63		mg/Kg	✱	82	60 - 110	1	30
2,4-Dinitrophenol	<0.87		8.85	5.30		mg/Kg	✱	60	10 - 100	3	30
2,4-Dinitrotoluene	<0.22		4.42	3.61		mg/Kg	✱	82	69 - 124	0	30
2,6-Dinitrotoluene	<0.22		4.42	3.79		mg/Kg	✱	86	70 - 123	2	30
2-Chloronaphthalene	<0.22		4.42	3.55		mg/Kg	✱	80	69 - 114	1	30
2-Chlorophenol	<0.22		4.42	3.53		mg/Kg	✱	80	64 - 110	2	30
2-Methylnaphthalene	<0.087		4.42	3.44		mg/Kg	✱	78	69 - 112	2	30
2-Methylphenol	<0.22		4.42	3.29		mg/Kg	✱	74	60 - 120	2	30
2-Nitroaniline	<0.22		4.42	4.68		mg/Kg	✱	106	57 - 124	2	30
2-Nitrophenol	<0.43		4.42	3.40		mg/Kg	✱	77	60 - 120	1	30
3 & 4 Methylphenol	<0.22		4.42	3.54		mg/Kg	✱	80	57 - 120	2	30
3,3'-Dichlorobenzidine	<0.22		4.42	2.84		mg/Kg	✱	64	35 - 128	7	30
3-Nitroaniline	<0.43		4.42	3.64		mg/Kg	✱	82	40 - 122	4	30
4,6-Dinitro-2-methylphenol	<0.87		8.85	6.93		mg/Kg	✱	78	10 - 110	2	30
4-Bromophenyl phenyl ether	<0.22		4.42	4.00		mg/Kg	✱	90	68 - 118	1	30
4-Chloro-3-methylphenol	<0.43		4.42	3.92		mg/Kg	✱	89	65 - 122	0	30
4-Chloroaniline	<0.87		4.42	3.07		mg/Kg	✱	69	30 - 150	2	30
4-Chlorophenyl phenyl ether	<0.22		4.42	3.35		mg/Kg	✱	76	62 - 119	1	30
4-Nitroaniline	<0.43		4.42	3.52		mg/Kg	✱	79	60 - 160	1	30
4-Nitrophenol	<0.87		8.85	7.49		mg/Kg	✱	85	30 - 122	1	30
Acenaphthene	<0.043		4.42	3.86		mg/Kg	✱	87	65 - 124	5	30
Acenaphthylene	<0.043		4.42	3.82		mg/Kg	✱	86	68 - 120	1	30
Anthracene	<0.043		4.42	4.39		mg/Kg	✱	99	70 - 114	6	30
Benzo[a]anthracene	0.017	J	4.42	4.39		mg/Kg	✱	99	67 - 122	15	30
Benzo[a]pyrene	<0.043		4.42	4.63		mg/Kg	✱	105	65 - 133	20	30
Benzo[b]fluoranthene	<0.043		4.42	5.21		mg/Kg	✱	118	69 - 129	21	30
Benzo[g,h,i]perylene	0.018	J F1	4.42	3.33		mg/Kg	✱	75	72 - 131	12	30
Benzo[k]fluoranthene	<0.043		4.42	4.48		mg/Kg	✱	101	68 - 127	19	30
Bis(2-chloroethoxy)methane	<0.22		4.42	3.50		mg/Kg	✱	79	60 - 112	1	30
Bis(2-chloroethyl)ether	<0.22		4.42	3.54		mg/Kg	✱	80	55 - 111	5	30
Bis(2-ethylhexyl) phthalate	<0.22		4.42	3.66		mg/Kg	✱	83	72 - 131	2	30
Butyl benzyl phthalate	<0.22		4.42	3.99		mg/Kg	✱	90	71 - 129	0	30
Carbazole	<0.22		4.42	3.92		mg/Kg	✱	89	65 - 142	2	30
Chrysene	<0.043		4.42	4.41		mg/Kg	✱	100	63 - 120	15	30
Dibenz(a,h)anthracene	<0.043		4.42	3.26		mg/Kg	✱	74	64 - 131	2	30
Dibenzofuran	<0.22		4.42	3.59		mg/Kg	✱	81	66 - 115	0	30
Diethyl phthalate	<0.22		4.42	3.65		mg/Kg	✱	82	58 - 120	2	30
Dimethyl phthalate	<0.22		4.42	3.66		mg/Kg	✱	83	69 - 116	0	30
Di-n-butyl phthalate	<0.22		4.42	3.96		mg/Kg	✱	89	65 - 120	1	30
Di-n-octyl phthalate	<0.43		4.42	3.84		mg/Kg	✱	87	68 - 134	4	30
Fluoranthene	0.014	J F1	4.42	5.57	F1	mg/Kg	✱	126	62 - 120	24	30
Fluorene	<0.043		4.42	3.67		mg/Kg	✱	83	62 - 120	2	30
Hexachlorobenzene	<0.087		4.42	3.96		mg/Kg	✱	90	63 - 124	0	30
Hexachlorobutadiene	<0.22		4.42	3.14		mg/Kg	✱	71	56 - 120	1	30
Hexachlorocyclopentadiene	<0.87	F2	4.42	0.659	J F2	mg/Kg	✱	15	10 - 133	36	30
Hexachloroethane	<0.22		4.42	3.03		mg/Kg	✱	68	60 - 114	8	30
Indeno[1,2,3-cd]pyrene	<0.043		4.42	3.73		mg/Kg	✱	84	68 - 130	9	30

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: 500-261987-6 MSD

Matrix: Solid

Analysis Batch: 801575

Client Sample ID: 2555-02-B01 (0-8)

Prep Type: Total/NA

Prep Batch: 801474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone	<0.22		4.42	3.71		mg/Kg	⊛	84	55 - 110	0	30
Naphthalene	<0.043		4.42	3.38		mg/Kg	⊛	76	63 - 110	0	30
Nitrobenzene	<0.043		4.42	3.84		mg/Kg	⊛	87	60 - 116	0	30
N-Nitrosodi-n-propylamine	<0.087		4.42	3.76		mg/Kg	⊛	85	56 - 118	2	30
N-Nitrosodiphenylamine	<0.22		4.42	4.17		mg/Kg	⊛	94	65 - 112	3	30
Pentachlorophenol	<0.87		8.85	7.04		mg/Kg	⊛	80	13 - 112	1	30
Phenanthrene	<0.043		4.42	4.76		mg/Kg	⊛	108	62 - 120	15	30
Phenol	<0.22		4.42	3.68		mg/Kg	⊛	83	56 - 122	2	30
Pyrene	0.014	J	4.42	5.20		mg/Kg	⊛	117	61 - 128	22	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorophenol (Surr)	84		31 - 166
Phenol-d5 (Surr)	84		30 - 153
Nitrobenzene-d5 (Surr)	83		37 - 147
2-Fluorobiphenyl (Surr)	79		43 - 145
2,4,6-Tribromophenol (Surr)	77		31 - 143
Terphenyl-d14 (Surr)	84		42 - 157

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-802546/2-A

Matrix: Solid

Analysis Batch: 802753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.517		mg/L		103	80 - 120
Beryllium	0.0500	0.0494		mg/L		99	80 - 120
Boron	1.00	0.882		mg/L		88	80 - 120
Chromium	0.200	0.214		mg/L		107	80 - 120
Cobalt	0.500	0.521		mg/L		104	80 - 120
Iron	1.00	0.890		mg/L		89	80 - 120
Lead	0.100	0.108		mg/L		108	80 - 120
Nickel	0.500	0.546		mg/L		109	80 - 120
Selenium	0.100	0.106		mg/L		106	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Zinc	0.500	0.608	*+	mg/L		122	80 - 120
Manganese	0.500	0.490		mg/L		98	80 - 120
Cadmium	0.0500	0.0501		mg/L		100	80 - 120

Lab Sample ID: LCS 500-802548/2-A

Matrix: Solid

Analysis Batch: 802753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.0500	0.0477		mg/L		95	80 - 120

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Lab Sample ID: LB 500-802457/1-B
Matrix: Solid
Analysis Batch: 802753

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 802546

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 14:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		01/12/25 16:23	01/13/25 14:58	1
Boron	<0.50		0.50	0.050	mg/L		01/12/25 16:23	01/13/25 14:58	1
Chromium	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 14:58	1
Cobalt	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 14:58	1
Iron	<0.40		0.40	0.20	mg/L		01/12/25 16:23	01/13/25 14:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		01/12/25 16:23	01/13/25 14:58	1
Nickel	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 14:58	1
Selenium	<0.050		0.050	0.020	mg/L		01/12/25 16:23	01/13/25 14:58	1
Silver	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 14:58	1
Zinc	<0.50		0.50	0.020	mg/L		01/12/25 16:23	01/13/25 14:58	1
Manganese	<0.025		0.025	0.010	mg/L		01/12/25 16:23	01/13/25 14:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/12/25 16:23	01/13/25 14:58	1

Lab Sample ID: LB 500-802458/1-B
Matrix: Solid
Analysis Batch: 802753

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 802548

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.025		0.025	0.010	mg/L		01/12/25 16:27	01/13/25 18:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		01/12/25 16:27	01/13/25 18:08	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCS 500-802546/2-A
Matrix: Solid
Analysis Batch: 802745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 802546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.519	^+	mg/L		104	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LB 500-802457/1-B
Matrix: Solid
Analysis Batch: 802745

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 802546

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^+	0.0060	0.0013	mg/L		01/12/25 16:23	01/13/25 15:32	1
Thallium	<0.0020		0.0020	0.00057	mg/L		01/12/25 16:23	01/13/25 15:32	1

Method: 7470A - Mercury

Lab Sample ID: MB 500-802649/12-A
Matrix: Solid
Analysis Batch: 802820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 802649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/13/25 11:00	01/14/25 10:22	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Method: 7470A - Mercury (Continued)

Lab Sample ID: LCS 500-802649/14-A
Matrix: Solid
Analysis Batch: 802820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 802649

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: LB 500-802457/1-C
Matrix: Solid
Analysis Batch: 802820

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 802649

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		01/13/25 11:00	01/14/25 10:24	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-801987/12-A
Matrix: Solid
Analysis Batch: 802118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 801987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0069	mg/Kg		01/07/25 16:45	01/08/25 09:47	1

Lab Sample ID: LCS 500-801987/13-A
Matrix: Solid
Analysis Batch: 802118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.177		mg/Kg		106	80 - 120

Lab Sample ID: 500-261987-5 MS
Matrix: Solid
Analysis Batch: 802118

Client Sample ID: 2555-01-B01 (8-15)
Prep Type: Total/NA
Prep Batch: 801987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.016	J F1	0.0933	0.139	F1	mg/Kg	✧	132	75 - 125

Lab Sample ID: 500-261987-5 MSD
Matrix: Solid
Analysis Batch: 802118

Client Sample ID: 2555-01-B01 (8-15)
Prep Type: Total/NA
Prep Batch: 801987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.016	J F1	0.0927	0.130		mg/Kg	✧	122	75 - 125	7	20

Lab Sample ID: 500-261987-5 DU
Matrix: Solid
Analysis Batch: 802118

Client Sample ID: 2555-01-B01 (8-15)
Prep Type: Total/NA
Prep Batch: 801987

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.016	J F1	0.0141	J	mg/Kg	✧	15	20

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:26
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:07
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 15:36
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:28
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 11:59
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Client Sample ID: 2555-01-B02 (0-8)

Lab Sample ID: 500-261987-1

Date Collected: 12/20/24 09:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 17:14
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 13:05
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:18
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:02

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:30
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:12
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 15:51
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:30

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:02
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Client Sample ID: 2555-01-B02 (8-15)

Lab Sample ID: 500-261987-2

Date Collected: 12/20/24 09:20

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 17:39
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 13:30
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		5	802179	SJ	EET CHI	01/08/25 12:58
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:22
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:07

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:34
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:16
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 15:55
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:32
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:04
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (0-8)

Lab Sample ID: 500-261987-3

Date Collected: 12/20/24 09:50

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 18:04
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 13:54
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:26
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:09

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:39
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:21
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 15:59
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:39
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:07
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Client Sample ID: 2555-01-B01 (0-8)D

Lab Sample ID: 500-261987-4

Date Collected: 12/20/24 09:55

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 18:29
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 14:19
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		5	802179	SJ	EET CHI	01/08/25 13:02
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:31
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:11

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:43
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:26
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 16:03
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:41
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:09
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Client Sample ID: 2555-01-B01 (8-15)

Lab Sample ID: 500-261987-5

Date Collected: 12/20/24 10:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 18:54
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 14:43
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		5	802179	SJ	EET CHI	01/08/25 13:07
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:35
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:13

Client Sample ID: 2555-02-B01 (0-8)

Lab Sample ID: 500-261987-6

Date Collected: 12/20/24 11:00

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:47
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:39
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 16:06

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-02-B01 (0-8)

Lab Sample ID: 500-261987-6

Date Collected: 12/20/24 11:00

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:43
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:12
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Client Sample ID: 2555-02-B01 (0-8)

Lab Sample ID: 500-261987-6

Date Collected: 12/20/24 11:00

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 19:18
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 11:51
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:40
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:20

Client Sample ID: 2555-02-B01 (8-15)

Lab Sample ID: 500-261987-7

Date Collected: 12/20/24 11:10

Matrix: Solid

Date Received: 12/20/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			802458	JL	EET CHI	01/10/25 14:06 - 01/11/25 08:06 ¹
SPLP East	Prep	3010A			802548	S1Z	EET CHI	01/12/25 16:27 - 01/12/25 22:27 ¹
SPLP East	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 18:52
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6010D		1	802753	RB	EET CHI	01/13/25 15:44
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	3010A			802546	S1Z	EET CHI	01/12/25 16:23 - 01/12/25 22:23 ¹
TCLP	Analysis	6020B		1	802745	RN	EET CHI	01/13/25 16:10
TCLP	Leach	1311			802457	JL	EET CHI	01/10/25 15:09 - 01/11/25 09:09 ¹
TCLP	Prep	7470A			802649	MJG	EET CHI	01/13/25 11:00 - 01/13/25 13:00 ¹
TCLP	Analysis	7470A		1	802820	MJG	EET CHI	01/14/25 10:45
Total/NA	Analysis	9045D		1	800925	MF	EET CHI	12/27/24 12:14
Total/NA	Analysis	Moisture		1	801298	MF	EET CHI	12/31/24 13:42

Eurofins Chicago

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 046 Halsted St PSI

Job ID: 500-261987-1

Client Sample ID: 2555-02-B01 (8-15)

Lab Sample ID: 500-261987-7

Date Collected: 12/20/24 11:10

Matrix: Solid

Date Received: 12/20/24 12:00

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			800494	WRE	EET CHI	12/21/24 13:22
Total/NA	Analysis	8260D		1	800690	EA	EET CHI	12/26/24 19:43
Total/NA	Prep	3546			801474	LH	EET CHI	01/02/25 13:31
Total/NA	Analysis	8270E		1	801575	JSB	EET CHI	01/03/25 15:08
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		5	802179	SJ	EET CHI	01/08/25 13:11
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		1	802072	RB	EET CHI	01/07/25 22:44
Total/NA	Prep	3050B			801863	S1Z	EET CHI	01/06/25 17:28 - 01/06/25 22:28 ¹
Total/NA	Analysis	6010D		20	802249	RB	EET CHI	01/08/25 19:05
Total/NA	Prep	7471B			801987	MJG	EET CHI	01/07/25 16:45
Total/NA	Analysis	7471B		1	802118	MJG	EET CHI	01/08/25 10:22

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-WO 046 Halsted St PSI

Job ID: 500-261987-1

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

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

1/14/2025

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 500-261987-1

Login Number: 261987

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	0.5
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	