



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: Elgin Sign Shop (123) Office Phone Number, if available: _____

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

595 South State Street

City: Elgin State: IL Zip Code: 60123

County: Kane Township: Elgin

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

Latitude: 42.0205 Longitude: -88.27988
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: 031297ACK

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

Estimated Volume of debris (cu. Yd.): 760

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.

Analytical Data Summary

PTB #196-002 - IDOT Job # D-91-441-20; Work Order 35A - IDOT Project # D-91-085-24

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.

L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the SCGIER.

 = Concentration exceeds applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	Elgin Sign Shop (123)			Comparison Criteria					
	ELGSS-123-B01	ELGSS-123-B02	ELGSS-123-B03	MACs			TACO		
BORING	ELGSS-123-B01 (0-2)	ELGSS-123-B02 (0-2)	ELGSS-123-B03 (0-2)	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
SAMPLE									
MATRIX	Soil	Soil	Soil						
DEPTH (feet)	0-2	0-2	0-2						
pH	8.7	8.8	7.8						
PID (meter units)	--	--	--						
VOCs (mg/kg)									
Acetone	ND U	ND U	ND U	25	--	--	70,000	100,000	--
Ethylbenzene	ND U	ND U	ND U	13	--	--	400	58	--
Toluene	ND U	ND U	ND U	12	--	--	650	42	--
Xylenes, Total	ND U	ND U	ND U	5.6	--	--	320	5.6	--
SVOCs (mg/kg)									
Benzo(a)anthracene	ND U	ND U	ND U	0.9	1.8	11	1.8	170	--
Benzo(g,h,i)perylene	ND U	ND U	ND U	--	--	4.4	--	--	--
Chrysene	ND U	ND U	ND U	88	--	11	88	17,000	--
Fluoranthene	ND U	ND U	ND U	3,100	--	28	3,100	82,000	--
Phenanthrene	ND U	ND U	ND U	--	--	15	--	--	--
Pyrene	ND U	ND U	ND U	2,300	--	18	2,300	61,000	--
Inorganics (mg/kg)									
Arsenic	4.4	4.8	6.1	11.3	13	--	13	61	--
Barium	16	71	38	1,500	--	--	5,500	14,000	--
Beryllium	0.31	0.75	0.51	22	--	--	160	410	--
Boron	7.5	5.6	9.2	40	--	--	16,000	41,000	--
Calcium	200,000	30,000	110,000	--	--	--	--	--	--
Chromium	11	19	9.0	21	--	--	230	690	--
Cobalt	3.1	9.4	5.0	20	--	--	4,700	12,000	--
Copper	7.2	13	9.9	2,900	--	--	2,900	8,200	--
Iron	8,700	12,000	15,000	15,000	15,900	--	--	--	--
Lead	11	80	16	107	--	--	400	700	--
Magnesium	95,000	20,000	64,000	325,000	--	--	--	730,000	--
Manganese	300	220	310	630	636	--	1,600	4,100	--
Mercury	0.011 J	0.044	0.013 J	0.89	--	--	10	0.1	--
Nickel	6.9	18	10	100	--	--	1,600	4,100	--
Potassium	620	950	750	--	--	--	--	--	--
Selenium	ND U	0.43 J	ND U	1.3	--	--	390	1,000	--
Silver	ND U	0.21 J	ND U	4.4	--	--	390	1,000	--
Sodium	210	240	300	--	--	--	--	--	--
Thallium	1.2	ND U	1.0	2.6	--	--	6.3	160	--
Vanadium	12	28	15	550	--	--	550	1,400	--
Zinc	18	72	41	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)									
Antimony	ND UJ	ND UJ	ND UJ	--	--	--	--	--	0.006
Barium	0.45 J	0.48 J	0.29 J	--	--	--	--	--	2
Cadmium	ND U	0.0021 J	ND U	--	--	--	--	--	0.005
Cobalt	ND U	ND U	ND U	--	--	--	--	--	1
Iron	0.50	ND U	2.2	--	--	--	--	--	5
Manganese	1.8 L	2.0 L	1.8 L	--	--	--	--	--	0.15
Nickel	0.029	0.023 J	0.018 J	--	--	--	--	--	0.1
Thallium	ND U	ND U	ND U	--	--	--	--	--	0.002
Zinc	ND UJ	0.052 J	0.020 J	--	--	--	--	--	5
SPLP Metals (mg/L)									
Iron	NA	NA	NA	--	--	--	--	--	5
Manganese	ND U	0.065	0.26 L	--	--	--	--	--	0.15

**PTB #196-002 - IDOT Job # D-91-441-20; Work Order 35A - IDOT Project # D-91-085-24
CONTAMINANTS OF CONCERN**

SITE	Elgin Sign Shop (123)			Comparison Criteria					
	ELGSS-123-B06		ELGSS-123-B07	MACs			TACO		
BORING	ELGSS-123-B06 (0-2)		ELGSS-123-B07 (0-2)	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
SAMPLE	ELGSS-123-B06 (0-2)	ELGSS-123-B06 (0-2)D	ELGSS-123-B07 (0-2)						
MATRIX	Soil	Soil	Soil						
DEPTH (feet)	0-2	0-2	0-2						
pH	8.4	8.2	7.6						
PID (meter units)	--	--	--						
VOCs (mg/kg)									
Acetone	ND U	0.0098 J	0.011 J	25	--	--	70,000	100,000	--
Ethylbenzene	0.0012 J	ND U	ND U	13	--	--	400	58	--
Toluene	0.0013 J	ND U	ND U	12	--	--	650	42	--
Xylenes, Total	0.013	ND U	ND U	5.6	--	--	320	5.6	--
SVOCs (mg/kg)									
Benzo(a)anthracene	ND U	ND U	ND U	0.9	1.8	11	1.8	170	--
Benzo(g,h,i)perylene	ND U	0.011 J	ND U	--	--	4.4	--	--	--
Chrysene	ND U	0.014 J	ND U	88	--	11	88	17,000	--
Fluoranthene	ND U	0.010 J	0.014 J	3,100	--	28	3,100	82,000	--
Phenanthrene	0.012 J	ND U	ND U	--	--	15	--	--	--
Pyrene	0.011 J	0.011 J	0.012 J	2,300	--	18	2,300	61,000	--
Inorganics (mg/kg)									
Arsenic	7.6	4.8	6.3 J	11.3	13	--	13	61	--
Barium	46	68	89	1,500	--	--	5,500	14,000	--
Beryllium	0.98	1.1	0.97	22	--	--	160	410	--
Boron	12	11	6.3 J	40	--	--	16,000	41,000	--
Calcium	52,000	47,000	30,000 J	--	--	--	--	--	--
Chromium	19	20	17	21	--	--	230	690	--
Cobalt	14	12	11	20	--	--	4,700	12,000	--
Copper	17	17	15	2,900	--	--	2,900	8,200	--
Iron	17,000 †m	18,000 †m	17,000 †m	15,000	15,900	--	--	--	--
Lead	11	13	13	107	--	--	400	700	--
Magnesium	28,000	23,000	18,000 J	325,000	--	--	--	730,000	--
Manganese	640 †m	410	540 J	630	636	--	1,600	4,100	--
Mercury	0.012 J	0.034	0.039	0.89	--	--	10	0.1	--
Nickel	31	31	23	100	--	--	1,600	4,100	--
Potassium	3,100	3,100	1,700	--	--	--	--	--	--
Selenium	ND U	0.39 J	0.53 J	1.3	--	--	390	1,000	--
Silver	ND U	ND U	ND UJ	4.4	--	--	390	1,000	--
Sodium	750	960	1,900	--	--	--	--	--	--
Thallium	2.8 †	1.4	1.9 J	2.6	--	--	6.3	160	--
Vanadium	23	26	30	550	--	--	550	1,400	--
Zinc	44	54	51	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)									
Antimony	ND UJ	ND UJ	0.0028 J	--	--	--	--	--	0.006
Barium	0.57	0.87	0.91	--	--	--	--	--	2
Cadmium	ND U	ND U	ND U	--	--	--	--	--	0.005
Cobalt	0.013 J	0.014 J	0.022 J	--	--	--	--	--	1
Iron	1.5	ND U	0.83	--	--	--	--	--	5
Manganese	7.8 L	9.4 L	5.3 L	--	--	--	--	--	0.15
Nickel	0.033	0.016 J	0.020 J	--	--	--	--	--	0.1
Thallium	ND U	ND U	0.00060 J	--	--	--	--	--	0.002
Zinc	ND UJ	ND UJ	0.020 J	--	--	--	--	--	5
SPLP Metals (mg/L)									
Iron	NA	NA	NA	--	--	--	--	--	5
Manganese	0.095 J	0.34 J L	1.3 L	--	--	--	--	--	0.15



ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/29/2024 4:45:29 PM

JOB DESCRIPTION

IDOT - 196-002-WO 035 Elgin Sign Shop

JOB NUMBER

500-255160-1

Eurofins Chicago

Job Notes

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

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

Authorization



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Authorized for release by
Jim Knapp, Senior Project Manager
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	12
Sample Summary	13
Client Sample Results	14
Definitions	54
QC Association	56
Surrogate Summary	64
QC Sample Results	65
Chronicle	83
Certification Summary	91
Chain of Custody	92
Receipt Checklists	93

Case Narrative

Client: WSP USA Inc.
Project: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Job ID: 500-255160-1

Eurofins Chicago

Job Narrative 500-255160-1

Receipt

The samples were received on 08/15/24 13:20. 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 5.5° C.

GC/MS VOA

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: ELG-SS-123-B08 (0-2) (500-255160-3) and ELG-SS-123-B02 (0-2) (500-255160-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The method blank for analytical batch 500-781782 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: ELG-SS-123-B04 (0-2) (500-255160-2) and ELG-SS-123-B06 (0-2)D (500-255160-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

GC/MS Semi VOA

Method 8270E: The method blank for preparation batch 500-782215 and analytical batch 500-782320 contained Diethyl phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E: The following samples were diluted to bring the concentration of target analytes within the calibration range: ELG-SS-123-B04 (0-2) (500-255160-2), ELG-SS-123-B03 (0-2) (500-255160-8) and ELG-SS-123-B01 (0-2) (500-255160-10). Elevated reporting limits (RLs) are provided.

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

Metals

Method 6010D: The laboratory control sample (LCS) for prep batch 782739 recovered outside control limits for the following analyte: Zn. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 6010D: The continuing calibration verification (CCV) associated with batch 783199 recovered above the upper control limit for Zn. The samples associated with these CCV were below the reporting limit for the affected analyte; therefore, the data have been reported

Method 6020B: The initial low level calibration verification (ICV) result for batch 500-783402 was above the upper control limit. The affected analyte is: Antimony. Sample results were below the reporting limit, and have been reported as qualified data.

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

General Chemistry

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

Organic Prep

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

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)

Lab Sample ID: 500-255160-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011	J	0.017	0.0071	mg/Kg	1	✳	8260D	Total/NA
Fluoranthene	0.014	J	0.039	0.0092	mg/Kg	1	✳	8270E	Total/NA
Pyrene	0.012	J	0.039	0.011	mg/Kg	1	✳	8270E	Total/NA
Arsenic	6.3	F1	0.59	0.20	mg/Kg	1	✳	6010D	Total/NA
Barium	89		0.59	0.067	mg/Kg	1	✳	6010D	Total/NA
Beryllium	0.97		0.24	0.055	mg/Kg	1	✳	6010D	Total/NA
Boron	6.3	B F1	2.9	0.27	mg/Kg	1	✳	6010D	Total/NA
Cadmium	0.072	J B F1	0.12	0.021	mg/Kg	1	✳	6010D	Total/NA
Calcium	30000	B	12	2.0	mg/Kg	1	✳	6010D	Total/NA
Chromium	17		0.59	0.29	mg/Kg	1	✳	6010D	Total/NA
Cobalt	11		0.29	0.077	mg/Kg	1	✳	6010D	Total/NA
Copper	15		0.59	0.16	mg/Kg	1	✳	6010D	Total/NA
Iron	17000		12	6.1	mg/Kg	1	✳	6010D	Total/NA
Lead	13		0.29	0.14	mg/Kg	1	✳	6010D	Total/NA
Magnesium	18000	B	5.9	2.9	mg/Kg	1	✳	6010D	Total/NA
Manganese	540	B F2	0.59	0.085	mg/Kg	1	✳	6010D	Total/NA
Nickel	23		0.59	0.17	mg/Kg	1	✳	6010D	Total/NA
Potassium	1700		29	10	mg/Kg	1	✳	6010D	Total/NA
Selenium	0.53	J F1	0.59	0.35	mg/Kg	1	✳	6010D	Total/NA
Sodium	1900		59	8.7	mg/Kg	1	✳	6010D	Total/NA
Thallium	1.9	F1	0.59	0.29	mg/Kg	1	✳	6010D	Total/NA
Vanadium	30		0.29	0.069	mg/Kg	1	✳	6010D	Total/NA
Zinc	51		1.2	0.52	mg/Kg	1	✳	6010D	Total/NA
Barium	0.91		0.50	0.050	mg/L	1		6010D	TCLP
Cobalt	0.022	J	0.025	0.010	mg/L	1		6010D	TCLP
Iron	0.83		0.40	0.20	mg/L	1		6010D	TCLP
Manganese	5.3		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.020	J	0.025	0.010	mg/L	1		6010D	TCLP
Zinc	0.020	J *+ ^+	0.50	0.020	mg/L	1		6010D	TCLP
Manganese	1.3		0.025	0.010	mg/L	1		6010D	SPLP East
Antimony	0.0028	J ^2 ^1+	0.0060	0.0013	mg/L	1		6020B	TCLP
Thallium	0.00060	J	0.0020	0.00057	mg/L	1		6020B	TCLP
Mercury	0.039		0.019	0.0078	mg/Kg	1	✳	7471B	Total/NA
pH	7.6		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)

Lab Sample ID: 500-255160-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	0.0012	J	0.0018	0.00093	mg/Kg	1	✳		8260D	Total/NA
Toluene	0.0013	J	0.0018	0.00036	mg/Kg	1	✳		8260D	Total/NA
Xylenes, Total	0.013		0.0036	0.00061	mg/Kg	1	✳		8260D	Total/NA
Phenanthrene	0.012	J	0.038	0.0084	mg/Kg	1	✳		8270E	Total/NA
Pyrene	0.011	J	0.038	0.011	mg/Kg	1	✳		8270E	Total/NA
Arsenic	7.6		0.58	0.20	mg/Kg	1	✳		6010D	Total/NA
Barium	46		0.58	0.066	mg/Kg	1	✳		6010D	Total/NA
Beryllium	0.98		0.23	0.054	mg/Kg	1	✳		6010D	Total/NA
Boron	12	B	2.9	0.27	mg/Kg	1	✳		6010D	Total/NA
Cadmium	0.044	J B	0.12	0.021	mg/Kg	1	✳		6010D	Total/NA
Calcium	52000	B	58	9.8	mg/Kg	5	✳		6010D	Total/NA
Chromium	19		0.58	0.29	mg/Kg	1	✳		6010D	Total/NA
Cobalt	14		0.29	0.076	mg/Kg	1	✳		6010D	Total/NA
Copper	17		0.58	0.16	mg/Kg	1	✳		6010D	Total/NA
Iron	17000		12	6.0	mg/Kg	1	✳		6010D	Total/NA
Lead	11		0.29	0.13	mg/Kg	1	✳		6010D	Total/NA
Magnesium	28000	B	5.8	2.9	mg/Kg	1	✳		6010D	Total/NA
Manganese	640	B	0.58	0.084	mg/Kg	1	✳		6010D	Total/NA
Nickel	31		0.58	0.17	mg/Kg	1	✳		6010D	Total/NA
Potassium	3100		29	10	mg/Kg	1	✳		6010D	Total/NA
Sodium	750		58	8.6	mg/Kg	1	✳		6010D	Total/NA
Thallium	2.8		0.58	0.29	mg/Kg	1	✳		6010D	Total/NA
Vanadium	23		0.29	0.069	mg/Kg	1	✳		6010D	Total/NA
Zinc	44		5.8	2.6	mg/Kg	5	✳		6010D	Total/NA
Barium	0.57		0.50	0.050	mg/L	1			6010D	TCLP
Cobalt	0.013	J	0.025	0.010	mg/L	1			6010D	TCLP
Iron	1.5		0.40	0.20	mg/L	1			6010D	TCLP
Manganese	7.8		0.025	0.010	mg/L	1			6010D	TCLP
Nickel	0.033		0.025	0.010	mg/L	1			6010D	TCLP
Manganese	0.095		0.025	0.010	mg/L	1			6010D	SPLP East
Mercury	0.012	J	0.019	0.0077	mg/Kg	1	✳		7471B	Total/NA
pH	8.4		0.2	0.2	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0098	J	0.013	0.0056	mg/Kg	1	✳	8260D	Total/NA
Benzo[g,h,i]perylene	0.011	J	0.038	0.0082	mg/Kg	1	✳	8270E	Total/NA
Chrysene	0.014	J	0.038	0.010	mg/Kg	1	✳	8270E	Total/NA
Fluoranthene	0.010	J	0.038	0.0088	mg/Kg	1	✳	8270E	Total/NA
Pyrene	0.011	J	0.038	0.010	mg/Kg	1	✳	8270E	Total/NA
Arsenic	4.8		0.58	0.20	mg/Kg	1	✳	6010D	Total/NA
Barium	68		0.58	0.066	mg/Kg	1	✳	6010D	Total/NA
Beryllium	1.1		0.23	0.054	mg/Kg	1	✳	6010D	Total/NA
Boron	11	B	2.9	0.27	mg/Kg	1	✳	6010D	Total/NA
Cadmium	0.087	J B	0.12	0.021	mg/Kg	1	✳	6010D	Total/NA
Calcium	47000	B	58	9.8	mg/Kg	5	✳	6010D	Total/NA
Chromium	20		0.58	0.29	mg/Kg	1	✳	6010D	Total/NA
Cobalt	12		0.29	0.076	mg/Kg	1	✳	6010D	Total/NA
Copper	17		0.58	0.16	mg/Kg	1	✳	6010D	Total/NA
Iron	18000		12	6.0	mg/Kg	1	✳	6010D	Total/NA
Lead	13		0.29	0.13	mg/Kg	1	✳	6010D	Total/NA
Magnesium	23000	B	5.8	2.9	mg/Kg	1	✳	6010D	Total/NA
Manganese	410	B	0.58	0.084	mg/Kg	1	✳	6010D	Total/NA
Nickel	31		0.58	0.17	mg/Kg	1	✳	6010D	Total/NA
Potassium	3100		29	10	mg/Kg	1	✳	6010D	Total/NA
Selenium	0.39	J	0.58	0.34	mg/Kg	1	✳	6010D	Total/NA
Sodium	960		58	8.6	mg/Kg	1	✳	6010D	Total/NA
Thallium	1.4		0.58	0.29	mg/Kg	1	✳	6010D	Total/NA
Vanadium	26		0.29	0.068	mg/Kg	1	✳	6010D	Total/NA
Zinc	54		5.8	2.5	mg/Kg	5	✳	6010D	Total/NA
Barium	0.87		0.50	0.050	mg/L	1		6010D	TCLP
Cobalt	0.014	J	0.025	0.010	mg/L	1		6010D	TCLP
Manganese	9.4		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.016	J	0.025	0.010	mg/L	1		6010D	TCLP
Manganese	0.34		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.034		0.018	0.0073	mg/Kg	1	✳	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.1		0.51	0.18	mg/Kg	1	✳	6010D	Total/NA
Barium	38		2.6	0.29	mg/Kg	5	✳	6010D	Total/NA
Beryllium	0.51		0.21	0.048	mg/Kg	1	✳	6010D	Total/NA
Boron	9.2	B	2.6	0.24	mg/Kg	1	✳	6010D	Total/NA
Cadmium	0.18	B	0.10	0.018	mg/Kg	1	✳	6010D	Total/NA
Calcium	110000	B	51	8.7	mg/Kg	5	✳	6010D	Total/NA
Chromium	9.0		0.51	0.25	mg/Kg	1	✳	6010D	Total/NA
Cobalt	5.0		0.26	0.067	mg/Kg	1	✳	6010D	Total/NA
Copper	9.9		0.51	0.14	mg/Kg	1	✳	6010D	Total/NA
Iron	15000		51	27	mg/Kg	5	✳	6010D	Total/NA
Lead	16		0.26	0.12	mg/Kg	1	✳	6010D	Total/NA
Magnesium	64000	B	26	13	mg/Kg	5	✳	6010D	Total/NA
Manganese	310	B	0.51	0.074	mg/Kg	1	✳	6010D	Total/NA
Nickel	10		0.51	0.15	mg/Kg	1	✳	6010D	Total/NA
Potassium	750		26	9.1	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 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2) (Continued)

Lab Sample ID: 500-255160-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	300		51	7.6	mg/Kg	1	☼	6010D	Total/NA
Thallium	1.0		0.51	0.26	mg/Kg	1	☼	6010D	Total/NA
Vanadium	15		0.26	0.061	mg/Kg	1	☼	6010D	Total/NA
Zinc	41		5.1	2.3	mg/Kg	5	☼	6010D	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010D	TCLP
Iron	2.2		0.40	0.20	mg/L	1		6010D	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.018	J	0.025	0.010	mg/L	1		6010D	TCLP
Zinc	0.020	J *+ ^+	0.50	0.020	mg/L	1		6010D	TCLP
Manganese	0.26		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.013	J	0.016	0.0067	mg/Kg	1	☼	7471B	Total/NA
pH	7.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.8		0.56	0.19	mg/Kg	1	☼	6010D	Total/NA
Barium	71		0.56	0.064	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.75		0.23	0.053	mg/Kg	1	☼	6010D	Total/NA
Boron	5.6	B	2.8	0.26	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.24	B	0.11	0.020	mg/Kg	1	☼	6010D	Total/NA
Calcium	30000	B	11	1.9	mg/Kg	1	☼	6010D	Total/NA
Chromium	19		0.56	0.28	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.4		0.28	0.074	mg/Kg	1	☼	6010D	Total/NA
Copper	13		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Iron	12000		11	5.9	mg/Kg	1	☼	6010D	Total/NA
Lead	80		0.28	0.13	mg/Kg	1	☼	6010D	Total/NA
Magnesium	20000	B	5.6	2.8	mg/Kg	1	☼	6010D	Total/NA
Manganese	220	B	0.56	0.082	mg/Kg	1	☼	6010D	Total/NA
Nickel	18		0.56	0.16	mg/Kg	1	☼	6010D	Total/NA
Potassium	950		28	10	mg/Kg	1	☼	6010D	Total/NA
Selenium	0.43	J	0.56	0.33	mg/Kg	1	☼	6010D	Total/NA
Silver	0.21	J	0.28	0.073	mg/Kg	1	☼	6010D	Total/NA
Sodium	240		56	8.4	mg/Kg	1	☼	6010D	Total/NA
Vanadium	28		0.28	0.067	mg/Kg	1	☼	6010D	Total/NA
Zinc	72		1.1	0.50	mg/Kg	1	☼	6010D	Total/NA
Barium	0.48	J	0.50	0.050	mg/L	1		6010D	TCLP
Cadmium	0.0021	J	0.0050	0.0020	mg/L	1		6010D	TCLP
Manganese	2.0		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.023	J	0.025	0.010	mg/L	1		6010D	TCLP
Zinc	0.052	J *+ ^+	0.50	0.020	mg/L	1		6010D	TCLP
Manganese	0.065		0.025	0.010	mg/L	1		6010D	SPLP East
Mercury	0.044		0.019	0.0077	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		0.48	0.17	mg/Kg	1	☼	6010D	Total/NA
Barium	16		2.4	0.28	mg/Kg	5	☼	6010D	Total/NA
Beryllium	0.31		0.19	0.045	mg/Kg	1	☼	6010D	Total/NA
Boron	7.5	B	2.4	0.23	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: WSP USA Inc.

Job ID: 500-255160-1

Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Client Sample ID: ELG-SS-123-B01 (0-2) (Continued)

Lab Sample ID: 500-255160-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.099	B	0.097	0.017	mg/Kg	1	✳	6010D	Total/NA
Calcium	200000	B	480	82	mg/Kg	50	✳	6010D	Total/NA
Chromium	11		0.48	0.24	mg/Kg	1	✳	6010D	Total/NA
Cobalt	3.1		0.24	0.063	mg/Kg	1	✳	6010D	Total/NA
Copper	7.2		0.48	0.14	mg/Kg	1	✳	6010D	Total/NA
Iron	8700		48	25	mg/Kg	5	✳	6010D	Total/NA
Lead	11		0.24	0.11	mg/Kg	1	✳	6010D	Total/NA
Magnesium	95000	B	24	12	mg/Kg	5	✳	6010D	Total/NA
Manganese	300	B	0.48	0.070	mg/Kg	1	✳	6010D	Total/NA
Nickel	6.9		0.48	0.14	mg/Kg	1	✳	6010D	Total/NA
Potassium	620		24	8.6	mg/Kg	1	✳	6010D	Total/NA
Sodium	210		48	7.2	mg/Kg	1	✳	6010D	Total/NA
Thallium	1.2		0.48	0.24	mg/Kg	1	✳	6010D	Total/NA
Vanadium	12		0.24	0.057	mg/Kg	1	✳	6010D	Total/NA
Zinc	18		4.8	2.1	mg/Kg	5	✳	6010D	Total/NA
Barium	0.45	J	0.50	0.050	mg/L	1		6010D	TCLP
Iron	0.50		0.40	0.20	mg/L	1		6010D	TCLP
Manganese	1.8		0.025	0.010	mg/L	1		6010D	TCLP
Nickel	0.029		0.025	0.010	mg/L	1		6010D	TCLP
Mercury	0.011	J	0.017	0.0069	mg/Kg	1	✳	7471B	Total/NA
pH	8.7		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255160-1	ELG-SS-123-B07 (0-2)	Solid	08/15/24 09:35	08/15/24 13:20
500-255160-6	ELG-SS-123-B06 (0-2)	Solid	08/15/24 10:25	08/15/24 13:20
500-255160-7	ELG-SS-123-B06 (0-2)D	Solid	08/15/24 10:30	08/15/24 13:20
500-255160-8	ELG-SS-123-B03 (0-2)	Solid	08/15/24 10:40	08/15/24 13:20
500-255160-9	ELG-SS-123-B02 (0-2)	Solid	08/15/24 10:50	08/15/24 13:20
500-255160-10	ELG-SS-123-B01 (0-2)	Solid	08/15/24 11:00	08/15/24 13:20

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)

Lab Sample ID: 500-255160-1

Date Collected: 08/15/24 09:35

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.017	0.0071	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Benzene	<0.0017		0.0017	0.00053	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Bromodichloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Bromoform	<0.0017		0.0017	0.00099	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Bromomethane	<0.0042		0.0042	0.0021	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
2-Butanone (MEK)	<0.0042		0.0042	0.0019	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Carbon disulfide	<0.0042		0.0042	0.00078	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00058	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Chlorobenzene	<0.0017		0.0017	0.00072	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Chloroethane	<0.0042		0.0042	0.0014	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Chloroform	<0.0017		0.0017	0.0012	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Chloromethane	<0.0042		0.0042	0.00082	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00068	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00068	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Dibromochloromethane	<0.0017		0.0017	0.00079	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,2-Dichloroethane	<0.0042		0.0042	0.0011	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00070	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,3-Dichloropropane, Total	<0.0017		0.0017	0.00081	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Ethylbenzene	<0.0017		0.0017	0.00089	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
2-Hexanone	<0.0042		0.0042	0.0026	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Methylene Chloride	<0.0042		0.0042	0.0018	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
4-Methyl-2-pentanone (MIBK)	<0.0042		0.0042	0.0030	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00055	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Styrene	<0.0017		0.0017	0.00076	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00084	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Tetrachloroethene	<0.0017		0.0017	0.00095	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Toluene	<0.0017		0.0017	0.00034	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00064	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00081	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00069	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00064	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Trichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Vinyl acetate	<0.0042		0.0042	0.0010	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Vinyl chloride	<0.0017		0.0017	0.00069	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1
Xylenes, Total	<0.0034		0.0034	0.00058	mg/Kg	☼	08/15/24 17:22	08/22/24 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 131	08/15/24 17:22	08/22/24 23:44	1
Dibromofluoromethane	109		75 - 126	08/15/24 17:22	08/22/24 23:44	1
1,2-Dichloroethane-d4 (Surr)	121		70 - 134	08/15/24 17:22	08/22/24 23:44	1
Toluene-d8 (Surr)	107		75 - 124	08/15/24 17:22	08/22/24 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)

Lab Sample ID: 500-255160-1

Date Collected: 08/15/24 09:35

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.028	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4,5-Trichlorophenol	<0.39		0.39	0.015	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4,6-Trichlorophenol	<0.39		0.39	0.013	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4-Dichlorophenol	<0.39		0.39	0.014	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4-Dimethylphenol	<0.39		0.39	0.088	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4-Dinitrophenol	<0.80		0.80	0.23	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,4-Dinitrotoluene	<0.20		0.20	0.022	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2,6-Dinitrotoluene	<0.20		0.20	0.013	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Methylnaphthalene	<0.080		0.080	0.0079	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Nitroaniline	<0.20		0.20	0.021	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
2-Nitrophenol	<0.39		0.39	0.027	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
3-Nitroaniline	<0.39		0.39	0.018	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.22	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Chloro-3-methylphenol	<0.39		0.39	0.015	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Chloroaniline	<0.80		0.80	0.41	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Nitroaniline	<0.39		0.39	0.029	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
4-Nitrophenol	<0.80		0.80	0.15	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Acenaphthene	<0.039		0.039	0.0080	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Acenaphthylene	<0.039		0.039	0.0067	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Anthracene	<0.039		0.039	0.0081	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Benzo[a]anthracene	<0.039		0.039	0.0084	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Benzo[a]pyrene	<0.039		0.039	0.038	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Benzo[b]fluoranthene	<0.039		0.039	0.038	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Benzo[g,h,i]perylene	<0.039		0.039	0.0085	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Benzo[k]fluoranthene	<0.039		0.039	0.015	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.15	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Carbazole	<0.20		0.20	0.016	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Chrysene	<0.039		0.039	0.010	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Dibenz(a,h)anthracene	<0.039		0.039	0.039	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Dimethyl phthalate	<0.20		0.20	0.0086	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Di-n-butyl phthalate	<0.20		0.20	0.012	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Di-n-octyl phthalate	<0.39		0.39	0.28	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Fluoranthene	0.014	J	0.039	0.0092	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Fluorene	<0.039		0.039	0.012	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Hexachlorobenzene	<0.080		0.080	0.0076	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1
Hexachlorocyclopentadiene	<0.80		0.80	0.42	mg/Kg	✱	08/19/24 15:09	08/20/24 12:15	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)

Lab Sample ID: 500-255160-1

Date Collected: 08/15/24 09:35

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 80.8

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	☼	08/19/24 15:09	08/20/24 12:15	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Isophorone	<0.20		0.20	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Naphthalene	<0.039		0.039	0.0071	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Nitrobenzene	<0.039		0.039	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.0078	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
N-Nitrosodiphenylamine	<0.20		0.20	0.023	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Pentachlorophenol	<0.80		0.80	0.099	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Phenanthrene	<0.039		0.039	0.0086	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Phenol	<0.20		0.20	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1
Pyrene	0.012	J	0.039	0.011	mg/Kg	☼	08/19/24 15:09	08/20/24 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	62		31 - 166	08/19/24 15:09	08/20/24 12:15	1
Phenol-d5 (Surr)	64		30 - 153	08/19/24 15:09	08/20/24 12:15	1
Nitrobenzene-d5 (Surr)	63		37 - 147	08/19/24 15:09	08/20/24 12:15	1
2-Fluorobiphenyl (Surr)	71		43 - 145	08/19/24 15:09	08/20/24 12:15	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	08/19/24 15:09	08/20/24 12:15	1
Terphenyl-d14 (Surr)	75		42 - 157	08/19/24 15:09	08/20/24 12:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2	F1	1.2	0.23	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Arsenic	6.3	F1	0.59	0.20	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Barium	89		0.59	0.067	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Beryllium	0.97		0.24	0.055	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Boron	6.3	B F1	2.9	0.27	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Cadmium	0.072	J B F1	0.12	0.021	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Calcium	30000	B	12	2.0	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Chromium	17		0.59	0.29	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Cobalt	11		0.29	0.077	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Copper	15		0.59	0.16	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Iron	17000		12	6.1	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Lead	13		0.29	0.14	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Magnesium	18000	B	5.9	2.9	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Manganese	540	B F2	0.59	0.085	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Nickel	23		0.59	0.17	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Potassium	1700		29	10	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Selenium	0.53	J F1	0.59	0.35	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Silver	<0.29	F1	0.29	0.076	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Sodium	1900		59	8.7	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Thallium	1.9	F1	0.59	0.29	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Vanadium	30		0.29	0.069	mg/Kg	☼	08/28/24 09:11	08/28/24 21:11	1
Zinc	51		1.2	0.52	mg/Kg	☼	08/28/24 09:11	08/29/24 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.91		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/23/24 23:23	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:23	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)

Lab Sample ID: 500-255160-1

Date Collected: 08/15/24 09:35

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/24 08:40	08/23/24 23:23	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:23	1
Cobalt	0.022	J	0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:23	1
Iron	0.83		0.40	0.20	mg/L		08/22/24 08:40	08/23/24 23:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/23/24 23:23	1
Manganese	5.3		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:23	1
Nickel	0.020	J	0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:23	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/23/24 23:23	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:23	1
Zinc	0.020	J** ^+	0.50	0.020	mg/L		08/22/24 08:40	08/23/24 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	1.3		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 19:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0028	J ^2 ^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 16:39	1
Thallium	0.00060	J	0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 16:39	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 09:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.0078	mg/Kg	☆	08/26/24 17:40	08/27/24 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			08/21/24 16:52	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)

Lab Sample ID: 500-255160-6

Date Collected: 08/15/24 10:25

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 84.9

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	0.0075	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Benzene	<0.0018		0.0018	0.00056	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Bromodichloromethane	<0.0018		0.0018	0.00057	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Bromoform	<0.0018		0.0018	0.0010	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Bromomethane	<0.0044		0.0044	0.0022	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
2-Butanone (MEK)	<0.0044		0.0044	0.0020	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Carbon disulfide	<0.0044		0.0044	0.00082	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Carbon tetrachloride	<0.0018		0.0018	0.00061	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Chlorobenzene	<0.0018		0.0018	0.00075	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Chloroethane	<0.0044		0.0044	0.0015	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Chloroform	<0.0018		0.0018	0.0013	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Chloromethane	<0.0044		0.0044	0.00086	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00072	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00071	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Dibromochloromethane	<0.0018		0.0018	0.00082	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,1-Dichloroethane	<0.0018		0.0018	0.00067	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,2-Dichloroethane	<0.0044		0.0044	0.0012	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,1-Dichloroethene	<0.0018		0.0018	0.00073	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00085	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Ethylbenzene	0.0012	J	0.0018	0.00093	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
2-Hexanone	<0.0044		0.0044	0.0027	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Methylene Chloride	<0.0044		0.0044	0.0019	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.0032	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00057	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Styrene	<0.0018		0.0018	0.00080	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00088	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Tetrachloroethene	<0.0018		0.0018	0.0010	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Toluene	0.0013	J	0.0018	0.00036	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00067	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00085	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00072	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00067	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Trichloroethene	<0.0018		0.0018	0.00048	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Vinyl acetate	<0.0044		0.0044	0.0011	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Vinyl chloride	<0.0018		0.0018	0.00073	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1
Xylenes, Total	0.013		0.0036	0.00061	mg/Kg	✳	08/15/24 17:22	08/16/24 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		75 - 131	08/15/24 17:22	08/16/24 18:08	1
Dibromofluoromethane	114		75 - 126	08/15/24 17:22	08/16/24 18:08	1
1,2-Dichloroethane-d4 (Surr)	126		70 - 134	08/15/24 17:22	08/16/24 18:08	1
Toluene-d8 (Surr)	109		75 - 124	08/15/24 17:22	08/16/24 18:08	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	✳	08/19/24 15:09	08/20/24 14:20	1
1,2-Dichlorobenzene	<0.19		0.19	0.016	mg/Kg	✳	08/19/24 15:09	08/20/24 14:20	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	✳	08/19/24 15:09	08/20/24 14:20	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	✳	08/19/24 15:09	08/20/24 14:20	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)

Lab Sample ID: 500-255160-6

Date Collected: 08/15/24 10:25

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 84.9

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]	<0.19		0.19	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4,5-Trichlorophenol	<0.38		0.38	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4,6-Trichlorophenol	<0.38		0.38	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4-Dichlorophenol	<0.38		0.38	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4-Dimethylphenol	<0.38		0.38	0.086	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4-Dinitrophenol	<0.78		0.78	0.22	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,4-Dinitrotoluene	<0.19		0.19	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Methylnaphthalene	<0.078		0.078	0.0077	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Nitroaniline	<0.19		0.19	0.021	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
2-Nitrophenol	<0.38		0.38	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
3-Nitroaniline	<0.38		0.38	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.22	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Chloro-3-methylphenol	<0.38		0.38	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Chloroaniline	<0.78		0.78	0.40	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Nitroaniline	<0.38		0.38	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
4-Nitrophenol	<0.78		0.78	0.14	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Acenaphthene	<0.038		0.038	0.0078	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Acenaphthylene	<0.038		0.038	0.0065	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Anthracene	<0.038		0.038	0.0079	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Benzo[a]anthracene	<0.038		0.038	0.0082	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Benzo[a]pyrene	<0.038		0.038	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Benzo[b]fluoranthene	<0.038		0.038	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Benzo[g,h,i]perylene	<0.038		0.038	0.0083	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Benzo[k]fluoranthene	<0.038		0.038	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Dibenz(a,h)anthracene	<0.038		0.038	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Dibenzofuran	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Diethyl phthalate	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Dimethyl phthalate	<0.19		0.19	0.0084	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Di-n-octyl phthalate	<0.38		0.38	0.27	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Fluoranthene	<0.038		0.038	0.0089	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Fluorene	<0.038		0.038	0.011	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Hexachlorobenzene	<0.078		0.078	0.0074	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Hexachlorobutadiene	<0.19		0.19	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1
Hexachlorocyclopentadiene	<0.78		0.78	0.41	mg/Kg	☼	08/19/24 15:09	08/20/24 14:20	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)

Lab Sample ID: 500-255160-6

Date Collected: 08/15/24 10:25

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 84.9

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	✱	08/19/24 15:09	08/20/24 14:20	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.037	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Isophorone	<0.19		0.19	0.020	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Naphthalene	<0.038		0.038	0.0070	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Nitrobenzene	<0.038		0.038	0.012	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.0076	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
N-Nitrosodiphenylamine	<0.19		0.19	0.023	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Pentachlorophenol	<0.78		0.78	0.096	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Phenanthrene	0.012	J	0.038	0.0084	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Phenol	<0.19		0.19	0.017	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1
Pyrene	0.011	J	0.038	0.011	mg/Kg	✱	08/19/24 15:09	08/20/24 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	60		31 - 166	08/19/24 15:09	08/20/24 14:20	1
Phenol-d5 (Surr)	63		30 - 153	08/19/24 15:09	08/20/24 14:20	1
Nitrobenzene-d5 (Surr)	62		37 - 147	08/19/24 15:09	08/20/24 14:20	1
2-Fluorobiphenyl (Surr)	71		43 - 145	08/19/24 15:09	08/20/24 14:20	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	08/19/24 15:09	08/20/24 14:20	1
Terphenyl-d14 (Surr)	78		42 - 157	08/19/24 15:09	08/20/24 14:20	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Arsenic	7.6		0.58	0.20	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Barium	46		0.58	0.066	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Beryllium	0.98		0.23	0.054	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Boron	12	B	2.9	0.27	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Cadmium	0.044	J B	0.12	0.021	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Calcium	52000	B	58	9.8	mg/Kg	✱	08/28/24 09:11	08/29/24 14:48	5
Chromium	19		0.58	0.29	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Cobalt	14		0.29	0.076	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Copper	17		0.58	0.16	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Iron	17000		12	6.0	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Lead	11		0.29	0.13	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Magnesium	28000	B	5.8	2.9	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Manganese	640	B	0.58	0.084	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Nickel	31		0.58	0.17	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Potassium	3100		29	10	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Selenium	<0.58		0.58	0.34	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Silver	<0.29		0.29	0.075	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Sodium	750		58	8.6	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Thallium	2.8		0.58	0.29	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Vanadium	23		0.29	0.069	mg/Kg	✱	08/28/24 09:11	08/28/24 21:59	1
Zinc	44		5.8	2.6	mg/Kg	✱	08/28/24 09:11	08/29/24 14:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.57		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/23/24 23:54	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:54	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)

Lab Sample ID: 500-255160-6

Date Collected: 08/15/24 10:25

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 84.9

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		08/22/24 08:40	08/23/24 23:54	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:54	1
Cobalt	0.013	J	0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:54	1
Iron	1.5		0.40	0.20	mg/L		08/22/24 08:40	08/23/24 23:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/23/24 23:54	1
Manganese	7.8		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:54	1
Nickel	0.033		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/23/24 23:54	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:54	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/22/24 08:40	08/23/24 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.095		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 17:06	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 17:06	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 10:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.019	0.0077	mg/Kg	☼	08/26/24 17:40	08/27/24 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			08/21/24 17:02	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0098	J	0.013	0.0056	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Benzene	<0.0013		0.0013	0.00042	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Bromodichloromethane	<0.0013		0.0013	0.00043	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Bromoform	<0.0013		0.0013	0.00078	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Bromomethane	<0.0034		0.0034	0.0017	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
2-Butanone (MEK)	<0.0034		0.0034	0.0015	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Carbon disulfide	<0.0034		0.0034	0.00062	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Carbon tetrachloride	<0.0013		0.0013	0.00046	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Chlorobenzene	<0.0013		0.0013	0.00057	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Chloroethane	<0.0034		0.0034	0.0011	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Chloroform	<0.0013		0.0013	0.00096	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Chloromethane	<0.0034		0.0034	0.00065	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
cis-1,2-Dichloroethene	<0.0013		0.0013	0.00054	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
cis-1,3-Dichloropropene	<0.0013		0.0013	0.00054	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Dibromochloromethane	<0.0013		0.0013	0.00062	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,1-Dichloroethane	<0.0013		0.0013	0.00051	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,2-Dichloroethane	<0.0034		0.0034	0.00087	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,1-Dichloroethene	<0.0013		0.0013	0.00055	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,2-Dichloropropane	<0.0013		0.0013	0.00035	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,3-Dichloropropane, Total	<0.0013		0.0013	0.00064	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Ethylbenzene	<0.0013		0.0013	0.00071	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
2-Hexanone	<0.0034		0.0034	0.0020	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Methylene Chloride	<0.0034		0.0034	0.0014	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
4-Methyl-2-pentanone (MIBK)	<0.0034		0.0034	0.0024	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Methyl tert-butyl ether	<0.0013		0.0013	0.00043	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Styrene	<0.0013		0.0013	0.00060	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,1,2,2-Tetrachloroethane	<0.0013		0.0013	0.00067	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Tetrachloroethene	<0.0013		0.0013	0.00075	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Toluene	<0.0013		0.0013	0.00027	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
trans-1,2-Dichloroethene	<0.0013		0.0013	0.00051	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
trans-1,3-Dichloropropene	<0.0013		0.0013	0.00064	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,1,1-Trichloroethane	<0.0013		0.0013	0.00054	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
1,1,2-Trichloroethane	<0.0013		0.0013	0.00050	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Trichloroethene	<0.0013		0.0013	0.00037	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Vinyl acetate	<0.0034		0.0034	0.00080	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Vinyl chloride	<0.0013		0.0013	0.00055	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1
Xylenes, Total	<0.0027		0.0027	0.00046	mg/Kg	☼	08/15/24 17:22	08/23/24 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	75 - 131	08/15/24 17:22	08/23/24 00:58	1
Dibromofluoromethane	108		75 - 126	08/15/24 17:22	08/23/24 00:58	1
1,2-Dichloroethane-d4 (Surr)	121		70 - 134	08/15/24 17:22	08/23/24 00:58	1
Toluene-d8 (Surr)	114		75 - 124	08/15/24 17:22	08/23/24 00:58	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	☼	08/19/24 15:09	08/20/24 14:45	1
1,2-Dichlorobenzene	<0.19		0.19	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 83.4

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	☼	08/19/24 15:09	08/20/24 14:45	1
2,4,5-Trichlorophenol	<0.38		0.38	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,4,6-Trichlorophenol	<0.38		0.38	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,4-Dichlorophenol	<0.38		0.38	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,4-Dimethylphenol	<0.38		0.38	0.085	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,4-Dinitrophenol	<0.76		0.76	0.22	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,4-Dinitrotoluene	<0.19		0.19	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Methylnaphthalene	<0.076		0.076	0.0076	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
2-Nitrophenol	<0.38		0.38	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
3-Nitroaniline	<0.38		0.38	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.21	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Chloro-3-methylphenol	<0.38		0.38	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Chloroaniline	<0.76		0.76	0.40	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Nitroaniline	<0.38		0.38	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
4-Nitrophenol	<0.76		0.76	0.14	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Acenaphthene	<0.038		0.038	0.0077	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Acenaphthylene	<0.038		0.038	0.0064	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Anthracene	<0.038		0.038	0.0077	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Benzo[a]anthracene	<0.038		0.038	0.0080	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Benzo[a]pyrene	<0.038		0.038	0.036	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Benzo[b]fluoranthene	<0.038		0.038	0.036	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Benzo[g,h,i]perylene	0.011	J	0.038	0.0082	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Benzo[k]fluoranthene	<0.038		0.038	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Chrysene	0.014	J	0.038	0.010	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Dibenz(a,h)anthracene	<0.038		0.038	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Dibenzofuran	<0.19		0.19	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Diethyl phthalate	<0.19		0.19	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Dimethyl phthalate	<0.19		0.19	0.0082	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Di-n-octyl phthalate	<0.38		0.38	0.26	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Fluoranthene	0.010	J	0.038	0.0088	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Fluorene	<0.038		0.038	0.011	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Hexachlorobenzene	<0.076		0.076	0.0072	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Hexachlorobutadiene	<0.19		0.19	0.021	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1
Hexachlorocyclopentadiene	<0.76		0.76	0.40	mg/Kg	☼	08/19/24 15:09	08/20/24 14:45	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 83.4

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	✳	08/19/24 15:09	08/20/24 14:45	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.037	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Isophorone	<0.19		0.19	0.019	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Naphthalene	<0.038		0.038	0.0068	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Nitrobenzene	<0.038		0.038	0.012	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.0075	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
N-Nitrosodiphenylamine	<0.19		0.19	0.022	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Pentachlorophenol	<0.76		0.76	0.095	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Phenanthrene	<0.038		0.038	0.0082	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Phenol	<0.19		0.19	0.016	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1
Pyrene	0.011	J	0.038	0.010	mg/Kg	✳	08/19/24 15:09	08/20/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	65		31 - 166	08/19/24 15:09	08/20/24 14:45	1
Phenol-d5 (Surr)	68		30 - 153	08/19/24 15:09	08/20/24 14:45	1
Nitrobenzene-d5 (Surr)	61		37 - 147	08/19/24 15:09	08/20/24 14:45	1
2-Fluorobiphenyl (Surr)	72		43 - 145	08/19/24 15:09	08/20/24 14:45	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	08/19/24 15:09	08/20/24 14:45	1
Terphenyl-d14 (Surr)	83		42 - 157	08/19/24 15:09	08/20/24 14:45	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.22	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Arsenic	4.8		0.58	0.20	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Barium	68		0.58	0.066	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Beryllium	1.1		0.23	0.054	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Boron	11	B	2.9	0.27	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Cadmium	0.087	J B	0.12	0.021	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Calcium	47000	B	58	9.8	mg/Kg	✳	08/28/24 09:11	08/29/24 14:52	5
Chromium	20		0.58	0.29	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Cobalt	12		0.29	0.076	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Copper	17		0.58	0.16	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Iron	18000		12	6.0	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Lead	13		0.29	0.13	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Magnesium	23000	B	5.8	2.9	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Manganese	410	B	0.58	0.084	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Nickel	31		0.58	0.17	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Potassium	3100		29	10	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Selenium	0.39	J	0.58	0.34	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Silver	<0.29		0.29	0.075	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Sodium	960		58	8.6	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Thallium	1.4		0.58	0.29	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Vanadium	26		0.29	0.068	mg/Kg	✳	08/28/24 09:11	08/28/24 22:03	1
Zinc	54		5.8	2.5	mg/Kg	✳	08/28/24 09:11	08/29/24 14:52	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.87		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/23/24 23:59	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:59	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/24 08:40	08/23/24 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:59	1
Cobalt	0.014	J	0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:59	1
Iron	<0.40		0.40	0.20	mg/L		08/22/24 08:40	08/23/24 23:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/23/24 23:59	1
Manganese	9.4		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:59	1
Nickel	0.016	J	0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:59	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/23/24 23:59	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:59	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/22/24 08:40	08/23/24 23:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.34		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 17:21	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 17:21	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 10:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.018	0.0073	mg/Kg	☼	08/26/24 17:40	08/27/24 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			08/21/24 17:03	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0058	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Benzene	<0.0014		0.0014	0.00044	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Bromodichloromethane	<0.0014		0.0014	0.00044	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Bromoform	<0.0014		0.0014	0.00081	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Bromomethane	<0.0035		0.0035	0.0017	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
2-Butanone (MEK)	<0.0035		0.0035	0.0015	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Carbon disulfide	<0.0035		0.0035	0.00064	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Carbon tetrachloride	<0.0014		0.0014	0.00047	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Chlorobenzene	<0.0014		0.0014	0.00059	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Chloroethane	<0.0035		0.0035	0.0011	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Chloroform	<0.0014		0.0014	0.0010	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Chloromethane	<0.0035		0.0035	0.00067	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00056	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00056	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Dibromochloromethane	<0.0014		0.0014	0.00064	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,1-Dichloroethane	<0.0014		0.0014	0.00052	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,2-Dichloroethane	<0.0035		0.0035	0.00090	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,1-Dichloroethene	<0.0014		0.0014	0.00057	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,2-Dichloropropane	<0.0014		0.0014	0.00036	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00066	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Ethylbenzene	<0.0014		0.0014	0.00073	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
2-Hexanone	<0.0035		0.0035	0.0021	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Methylene Chloride	<0.0035		0.0035	0.0015	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
4-Methyl-2-pentanone (MIBK)	<0.0035		0.0035	0.0025	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00045	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Styrene	<0.0014		0.0014	0.00062	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00069	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Tetrachloroethene	<0.0014		0.0014	0.00078	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Toluene	<0.0014		0.0014	0.00028	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00052	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00066	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00056	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00052	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Trichloroethene	<0.0014		0.0014	0.00038	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Vinyl acetate	<0.0035		0.0035	0.00083	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Vinyl chloride	<0.0014		0.0014	0.00057	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1
Xylenes, Total	<0.0028		0.0028	0.00048	mg/Kg	☼	08/15/24 17:22	08/23/24 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		75 - 131	08/15/24 17:22	08/23/24 01:22	1
Dibromofluoromethane	104		75 - 126	08/15/24 17:22	08/23/24 01:22	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 134	08/15/24 17:22	08/23/24 01:22	1
Toluene-d8 (Surr)	110		75 - 124	08/15/24 17:22	08/23/24 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.35		0.35	0.049	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
1,2-Dichlorobenzene	<0.35		0.35	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
1,3-Dichlorobenzene	<0.35		0.35	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
1,4-Dichlorobenzene	<0.35		0.35	0.033	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 90.9

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]	<0.35		0.35	0.050	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4,5-Trichlorophenol	<0.69		0.69	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4,6-Trichlorophenol	<0.69		0.69	0.024	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4-Dichlorophenol	<0.69		0.69	0.024	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4-Dimethylphenol	<0.69		0.69	0.16	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4-Dinitrophenol	<1.4		1.4	0.40	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,4-Dinitrotoluene	<0.35		0.35	0.039	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2,6-Dinitrotoluene	<0.35		0.35	0.024	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Chloronaphthalene	<0.35		0.35	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Chlorophenol	<0.35		0.35	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Methylnaphthalene	<0.14		0.14	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Methylphenol	<0.35		0.35	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Nitroaniline	<0.35		0.35	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
2-Nitrophenol	<0.69		0.69	0.047	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
3 & 4 Methylphenol	<0.35		0.35	0.051	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
3,3'-Dichlorobenzidine	<0.35		0.35	0.057	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
3-Nitroaniline	<0.69		0.69	0.032	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4,6-Dinitro-2-methylphenol	<1.4		1.4	0.39	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Bromophenyl phenyl ether	<0.35		0.35	0.047	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Chloro-3-methylphenol	<0.69		0.69	0.027	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Chloroaniline	<1.4		1.4	0.73	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Chlorophenyl phenyl ether	<0.35		0.35	0.091	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Nitroaniline	<0.69		0.69	0.051	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
4-Nitrophenol	<1.4		1.4	0.26	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Acenaphthene	<0.069		0.069	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Acenaphthylene	<0.069		0.069	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Anthracene	<0.069		0.069	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Benzo[a]anthracene	<0.069		0.069	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Benzo[a]pyrene	<0.069		0.069	0.067	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Benzo[b]fluoranthene	<0.069		0.069	0.066	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Benzo[g,h,i]perylene	<0.069		0.069	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Benzo[k]fluoranthene	<0.069		0.069	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Bis(2-chloroethoxy)methane	<0.35		0.35	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Bis(2-chloroethyl)ether	<0.35		0.35	0.032	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Bis(2-ethylhexyl) phthalate	<0.35		0.35	0.27	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Butyl benzyl phthalate	<0.35		0.35	0.034	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Carbazole	<0.35		0.35	0.027	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Chrysene	<0.069		0.069	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Dibenz(a,h)anthracene	<0.069		0.069	0.069	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Dibenzofuran	<0.35		0.35	0.025	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Diethyl phthalate	<0.35		0.35	0.032	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Dimethyl phthalate	<0.35		0.35	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Di-n-butyl phthalate	<0.35		0.35	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Di-n-octyl phthalate	<0.69		0.69	0.48	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Fluoranthene	<0.069		0.069	0.016	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Fluorene	<0.069		0.069	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Hexachlorobenzene	<0.14		0.14	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Hexachlorobutadiene	<0.35		0.35	0.039	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2
Hexachlorocyclopentadiene	<1.4		1.4	0.73	mg/Kg	☼	08/19/24 15:09	08/20/24 18:56	2

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.35		0.35	0.035	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Indeno[1,2,3-cd]pyrene	<0.069		0.069	0.067	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Isophorone	<0.35		0.35	0.036	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Naphthalene	<0.069		0.069	0.013	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Nitrobenzene	<0.069		0.069	0.022	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
N-Nitrosodi-n-propylamine	<0.14		0.14	0.014	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
N-Nitrosodiphenylamine	<0.35		0.35	0.041	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Pentachlorophenol	<1.4		1.4	0.17	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Phenanthrene	<0.069		0.069	0.015	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Phenol	<0.35		0.35	0.030	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2
Pyrene	<0.069		0.069	0.019	mg/Kg	✳	08/19/24 15:09	08/20/24 18:56	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	53		31 - 166	08/19/24 15:09	08/20/24 18:56	2
Phenol-d5 (Surr)	58		30 - 153	08/19/24 15:09	08/20/24 18:56	2
Nitrobenzene-d5 (Surr)	56		37 - 147	08/19/24 15:09	08/20/24 18:56	2
2-Fluorobiphenyl (Surr)	64		43 - 145	08/19/24 15:09	08/20/24 18:56	2
2,4,6-Tribromophenol (Surr)	56		31 - 143	08/19/24 15:09	08/20/24 18:56	2
Terphenyl-d14 (Surr)	67		42 - 157	08/19/24 15:09	08/20/24 18:56	2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.20	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Arsenic	6.1		0.51	0.18	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Barium	38		2.6	0.29	mg/Kg	✳	08/28/24 09:11	08/29/24 14:57	5
Beryllium	0.51		0.21	0.048	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Boron	9.2 B		2.6	0.24	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Cadmium	0.18 B		0.10	0.018	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Calcium	110000 B		51	8.7	mg/Kg	✳	08/28/24 09:11	08/29/24 14:57	5
Chromium	9.0		0.51	0.25	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Cobalt	5.0		0.26	0.067	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Copper	9.9		0.51	0.14	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Iron	15000		51	27	mg/Kg	✳	08/28/24 09:11	08/29/24 14:57	5
Lead	16		0.26	0.12	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Magnesium	64000 B		26	13	mg/Kg	✳	08/28/24 09:11	08/29/24 14:57	5
Manganese	310 B		0.51	0.074	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Nickel	10		0.51	0.15	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Potassium	750		26	9.1	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Selenium	<0.51		0.51	0.30	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Silver	<0.26		0.26	0.066	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Sodium	300		51	7.6	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Thallium	1.0		0.51	0.26	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Vanadium	15		0.26	0.061	mg/Kg	✳	08/28/24 09:11	08/28/24 22:07	1
Zinc	41		5.1	2.3	mg/Kg	✳	08/28/24 09:11	08/29/24 14:57	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.29 J		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/24/24 00:04	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:04	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 90.9

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		08/22/24 08:40	08/24/24 00:04	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:04	1
Cobalt	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:04	1
Iron	2.2		0.40	0.20	mg/L		08/22/24 08:40	08/24/24 00:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/24/24 00:04	1
Manganese	1.8		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:04	1
Nickel	0.018	J	0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/24/24 00:04	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:04	1
Zinc	0.020	J** ^+	0.50	0.020	mg/L		08/22/24 08:40	08/24/24 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.26		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 17:25	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 17:25	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 10:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.016	0.0067	mg/Kg	☆	08/26/24 17:40	08/27/24 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			08/21/24 17:06	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

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	☼	08/15/24 17:22	08/16/24 19:21	1
Benzene	<0.0016		0.0016	0.00049	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Bromodichloromethane	<0.0016		0.0016	0.00050	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Bromoform	<0.0016		0.0016	0.00092	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Bromomethane	<0.0039		0.0039	0.0019	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
2-Butanone (MEK)	<0.0039		0.0039	0.0017	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Carbon disulfide	<0.0039		0.0039	0.00072	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Carbon tetrachloride	<0.0016		0.0016	0.00054	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Chlorobenzene	<0.0016		0.0016	0.00066	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Chloroethane	<0.0039		0.0039	0.0013	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Chloroform	<0.0016		0.0016	0.0011	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Chloromethane	<0.0039		0.0039	0.00076	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00063	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00063	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Dibromochloromethane	<0.0016		0.0016	0.00073	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,1-Dichloroethane	<0.0016		0.0016	0.00059	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,2-Dichloroethane	<0.0039		0.0039	0.0010	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,1-Dichloroethene	<0.0016		0.0016	0.00065	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,3-Dichloropropane, Total	<0.0016		0.0016	0.00075	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Ethylbenzene	<0.0016		0.0016	0.00083	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
2-Hexanone	<0.0039		0.0039	0.0024	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Methylene Chloride	<0.0039		0.0039	0.0017	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
4-Methyl-2-pentanone (MIBK)	<0.0039		0.0039	0.0028	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00051	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Styrene	<0.0016		0.0016	0.00071	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00078	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Tetrachloroethene	<0.0016		0.0016	0.00088	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Toluene	<0.0016		0.0016	0.00032	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00059	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00075	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00064	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00059	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Trichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Vinyl acetate	<0.0039		0.0039	0.00094	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Vinyl chloride	<0.0016		0.0016	0.00064	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1
Xylenes, Total	<0.0031		0.0031	0.00054	mg/Kg	☼	08/15/24 17:22	08/16/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		75 - 131	08/15/24 17:22	08/16/24 19:21	1
Dibromofluoromethane	109		75 - 126	08/15/24 17:22	08/16/24 19:21	1
1,2-Dichloroethane-d4 (Surr)	135	S1+	70 - 134	08/15/24 17:22	08/16/24 19:21	1
Toluene-d8 (Surr)	110		75 - 124	08/15/24 17:22	08/16/24 19:21	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	☼	08/19/24 15:09	08/20/24 15:11	1
1,2-Dichlorobenzene	<0.19		0.19	0.016	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

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]	<0.19		0.19	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4,5-Trichlorophenol	<0.38		0.38	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4,6-Trichlorophenol	<0.38		0.38	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4-Dichlorophenol	<0.38		0.38	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4-Dimethylphenol	<0.38		0.38	0.086	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4-Dinitrophenol	<0.78		0.78	0.22	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,4-Dinitrotoluene	<0.19		0.19	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Methylnaphthalene	<0.078		0.078	0.0077	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Nitroaniline	<0.19		0.19	0.021	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
2-Nitrophenol	<0.38		0.38	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
3-Nitroaniline	<0.38		0.38	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.22	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Chloro-3-methylphenol	<0.38		0.38	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Chloroaniline	<0.78		0.78	0.40	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Nitroaniline	<0.38		0.38	0.028	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
4-Nitrophenol	<0.78		0.78	0.14	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Acenaphthene	<0.038		0.038	0.0078	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Acenaphthylene	<0.038		0.038	0.0065	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Anthracene	<0.038		0.038	0.0078	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Benzo[a]anthracene	<0.038		0.038	0.0081	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Benzo[a]pyrene	<0.038		0.038	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Benzo[b]fluoranthene	<0.038		0.038	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Benzo[g,h,i]perylene	<0.038		0.038	0.0083	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Benzo[k]fluoranthene	<0.038		0.038	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Carbazole	<0.19		0.19	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Dibenz(a,h)anthracene	<0.038		0.038	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Dibenzofuran	<0.19		0.19	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Diethyl phthalate	<0.19		0.19	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Dimethyl phthalate	<0.19		0.19	0.0083	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Di-n-octyl phthalate	<0.38		0.38	0.27	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Fluoranthene	<0.038		0.038	0.0089	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Fluorene	<0.038		0.038	0.011	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Hexachlorobenzene	<0.078		0.078	0.0074	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Hexachlorobutadiene	<0.19		0.19	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Hexachlorocyclopentadiene	<0.78		0.78	0.41	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

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	☼	08/19/24 15:09	08/20/24 15:11	1
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.037	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Isophorone	<0.19		0.19	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Naphthalene	<0.038		0.038	0.0069	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Nitrobenzene	<0.038		0.038	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.0076	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
N-Nitrosodiphenylamine	<0.19		0.19	0.023	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Pentachlorophenol	<0.78		0.78	0.096	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Phenanthrene	<0.038		0.038	0.0084	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Phenol	<0.19		0.19	0.017	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1
Pyrene	<0.038		0.038	0.010	mg/Kg	☼	08/19/24 15:09	08/20/24 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	66		31 - 166	08/19/24 15:09	08/20/24 15:11	1
Phenol-d5 (Surr)	68		30 - 153	08/19/24 15:09	08/20/24 15:11	1
Nitrobenzene-d5 (Surr)	69		37 - 147	08/19/24 15:09	08/20/24 15:11	1
2-Fluorobiphenyl (Surr)	73		43 - 145	08/19/24 15:09	08/20/24 15:11	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	08/19/24 15:09	08/20/24 15:11	1
Terphenyl-d14 (Surr)	85		42 - 157	08/19/24 15:09	08/20/24 15:11	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Arsenic	4.8		0.56	0.19	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Barium	71		0.56	0.064	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Beryllium	0.75		0.23	0.053	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Boron	5.6 B		2.8	0.26	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Cadmium	0.24 B		0.11	0.020	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Calcium	30000 B		11	1.9	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Chromium	19		0.56	0.28	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Cobalt	9.4		0.28	0.074	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Copper	13		0.56	0.16	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Iron	12000		11	5.9	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Lead	80		0.28	0.13	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Magnesium	20000 B		5.6	2.8	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Manganese	220 B		0.56	0.082	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Nickel	18		0.56	0.16	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Potassium	950		28	10	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Selenium	0.43 J		0.56	0.33	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Silver	0.21 J		0.28	0.073	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Sodium	240		56	8.4	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Vanadium	28		0.28	0.067	mg/Kg	☼	08/28/24 09:11	08/28/24 22:12	1
Zinc	72		1.1	0.50	mg/Kg	☼	08/28/24 09:11	08/29/24 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.48 J		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/24/24 00:17	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:17	1

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Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0021	J	0.0050	0.0020	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Chromium	<0.025		0.025	0.010	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Iron	<0.40		0.40	0.20	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Manganese	2.0		0.025	0.010	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Nickel	0.023	J	0.025	0.010	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Selenium	<0.050		0.050	0.020	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Silver	<0.025		0.025	0.010	mg/L	-	08/22/24 08:40	08/24/24 00:17	1
Zinc	0.052	J** ^+	0.50	0.020	mg/L	-	08/22/24 08:40	08/24/24 00:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.065		0.025	0.010	mg/L	-	08/22/24 08:46	08/22/24 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L	-	08/22/24 08:40	08/26/24 17:29	1
Thallium	<0.0020		0.0020	0.00057	mg/L	-	08/22/24 08:40	08/26/24 17:29	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L	-	08/28/24 10:20	08/29/24 10:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.019	0.0077	mg/Kg	☼	08/26/24 17:40	08/27/24 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU	-		08/21/24 17:08	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 95.3

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	☼	08/15/24 17:22	08/16/24 19:46	1
Benzene	<0.0016		0.0016	0.00050	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Bromodichloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Bromoform	<0.0016		0.0016	0.00092	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Bromomethane	<0.0040		0.0040	0.0019	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
2-Butanone (MEK)	<0.0040		0.0040	0.0017	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Carbon disulfide	<0.0040		0.0040	0.00073	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Carbon tetrachloride	<0.0016		0.0016	0.00054	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Chlorobenzene	<0.0016		0.0016	0.00067	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Chloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Chloroform	<0.0016		0.0016	0.0011	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Chloromethane	<0.0040		0.0040	0.00077	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00064	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00063	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Dibromochloromethane	<0.0016		0.0016	0.00073	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,1-Dichloroethane	<0.0016		0.0016	0.00060	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,2-Dichloroethane	<0.0040		0.0040	0.0010	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,1-Dichloroethene	<0.0016		0.0016	0.00065	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,3-Dichloropropane, Total	<0.0016		0.0016	0.00076	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Ethylbenzene	<0.0016		0.0016	0.00083	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
2-Hexanone	<0.0040		0.0040	0.0024	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Methylene Chloride	<0.0040		0.0040	0.0017	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.0028	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00051	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Styrene	<0.0016		0.0016	0.00071	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00078	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Tetrachloroethene	<0.0016		0.0016	0.00089	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Toluene	<0.0016		0.0016	0.00032	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00060	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00076	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00064	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00059	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Trichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Vinyl acetate	<0.0040		0.0040	0.00094	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Vinyl chloride	<0.0016		0.0016	0.00065	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1
Xylenes, Total	<0.0032		0.0032	0.00054	mg/Kg	☼	08/15/24 17:22	08/16/24 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 131	08/15/24 17:22	08/16/24 19:46	1
Dibromofluoromethane	111		75 - 126	08/15/24 17:22	08/16/24 19:46	1
1,2-Dichloroethane-d4 (Surr)	128		70 - 134	08/15/24 17:22	08/16/24 19:46	1
Toluene-d8 (Surr)	108		75 - 124	08/15/24 17:22	08/16/24 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		0.34	0.048	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
1,2-Dichlorobenzene	<0.34		0.34	0.027	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
1,3-Dichlorobenzene	<0.34		0.34	0.030	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
1,4-Dichlorobenzene	<0.34		0.34	0.032	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 95.3

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]	<0.34		0.34	0.048	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4,5-Trichlorophenol	<0.67		0.67	0.025	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4,6-Trichlorophenol	<0.67		0.67	0.023	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4-Dichlorophenol	<0.67		0.67	0.024	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4-Dimethylphenol	<0.67		0.67	0.15	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4-Dinitrophenol	<1.4		1.4	0.39	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,4-Dinitrotoluene	<0.34		0.34	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2,6-Dinitrotoluene	<0.34		0.34	0.023	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Chloronaphthalene	<0.34		0.34	0.025	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Chlorophenol	<0.34		0.34	0.022	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Methylnaphthalene	<0.14		0.14	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Methylphenol	<0.34		0.34	0.036	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Nitroaniline	<0.34		0.34	0.036	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
2-Nitrophenol	<0.67		0.67	0.046	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
3 & 4 Methylphenol	<0.34		0.34	0.049	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
3,3'-Dichlorobenzidine	<0.34		0.34	0.055	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
3-Nitroaniline	<0.67		0.67	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4,6-Dinitro-2-methylphenol	<1.4		1.4	0.38	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Bromophenyl phenyl ether	<0.34		0.34	0.046	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Chloro-3-methylphenol	<0.67		0.67	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Chloroaniline	<1.4		1.4	0.71	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Chlorophenyl phenyl ether	<0.34		0.34	0.088	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Nitroaniline	<0.67		0.67	0.050	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
4-Nitrophenol	<1.4		1.4	0.25	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Acenaphthene	<0.067		0.067	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Acenaphthylene	<0.067		0.067	0.011	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Anthracene	<0.067		0.067	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Benzo[a]anthracene	<0.067		0.067	0.014	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Benzo[a]pyrene	<0.067		0.067	0.065	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Benzo[b]fluoranthene	<0.067		0.067	0.064	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Benzo[g,h,i]perylene	<0.067		0.067	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Benzo[k]fluoranthene	<0.067		0.067	0.026	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Bis(2-chloroethoxy)methane	<0.34		0.34	0.025	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Bis(2-chloroethyl)ether	<0.34		0.34	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Bis(2-ethylhexyl) phthalate	<0.34		0.34	0.26	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Butyl benzyl phthalate	<0.34		0.34	0.034	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Carbazole	<0.34		0.34	0.027	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Chrysene	<0.067		0.067	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Dibenz(a,h)anthracene	<0.067		0.067	0.067	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Dibenzofuran	<0.34		0.34	0.024	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Diethyl phthalate	<0.34		0.34	0.031	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Dimethyl phthalate	<0.34		0.34	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Di-n-butyl phthalate	<0.34		0.34	0.021	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Di-n-octyl phthalate	<0.67		0.67	0.47	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Fluoranthene	<0.067		0.067	0.016	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Fluorene	<0.067		0.067	0.020	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Hexachlorobenzene	<0.14		0.14	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Hexachlorobutadiene	<0.34		0.34	0.038	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Hexachlorocyclopentadiene	<1.4		1.4	0.72	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2

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Client Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.34		0.34	0.034	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Indeno[1,2,3-cd]pyrene	<0.067		0.067	0.066	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Isophorone	<0.34		0.34	0.035	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Naphthalene	<0.067		0.067	0.012	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Nitrobenzene	<0.067		0.067	0.021	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
N-Nitrosodi-n-propylamine	<0.14		0.14	0.013	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
N-Nitrosodiphenylamine	<0.34		0.34	0.040	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Pentachlorophenol	<1.4		1.4	0.17	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Phenanthrene	<0.067		0.067	0.015	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Phenol	<0.34		0.34	0.029	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2
Pyrene	<0.067		0.067	0.018	mg/Kg	☼	08/19/24 15:09	08/20/24 19:22	2

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	54		31 - 166			08/19/24 15:09	08/20/24 19:22	2
Phenol-d5 (Surr)	57		30 - 153			08/19/24 15:09	08/20/24 19:22	2
Nitrobenzene-d5 (Surr)	57		37 - 147			08/19/24 15:09	08/20/24 19:22	2
2-Fluorobiphenyl (Surr)	64		43 - 145			08/19/24 15:09	08/20/24 19:22	2
2,4,6-Tribromophenol (Surr)	66		31 - 143			08/19/24 15:09	08/20/24 19:22	2
Terphenyl-d14 (Surr)	77		42 - 157			08/19/24 15:09	08/20/24 19:22	2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.97		0.97	0.19	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Arsenic	4.4		0.48	0.17	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Barium	16		2.4	0.28	mg/Kg	☼	08/28/24 09:11	08/29/24 15:05	5
Beryllium	0.31		0.19	0.045	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Boron	7.5 B		2.4	0.23	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Cadmium	0.099 B		0.097	0.017	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Calcium	200000 B		480	82	mg/Kg	☼	08/28/24 09:11	08/29/24 15:10	50
Chromium	11		0.48	0.24	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Cobalt	3.1		0.24	0.063	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Copper	7.2		0.48	0.14	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Iron	8700		48	25	mg/Kg	☼	08/28/24 09:11	08/29/24 15:05	5
Lead	11		0.24	0.11	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Magnesium	95000 B		24	12	mg/Kg	☼	08/28/24 09:11	08/29/24 15:05	5
Manganese	300 B		0.48	0.070	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Nickel	6.9		0.48	0.14	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Potassium	620		24	8.6	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Selenium	<0.48		0.48	0.28	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Silver	<0.24		0.24	0.062	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Sodium	210		48	7.2	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Thallium	1.2		0.48	0.24	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Vanadium	12		0.24	0.057	mg/Kg	☼	08/28/24 09:11	08/28/24 22:16	1
Zinc	18		4.8	2.1	mg/Kg	☼	08/28/24 09:11	08/29/24 15:05	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.45 J		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/24/24 00:21	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:21	1

Eurofins Chicago

Client Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 95.3

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		08/22/24 08:40	08/24/24 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:21	1
Iron	0.50		0.40	0.20	mg/L		08/22/24 08:40	08/24/24 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/24/24 00:21	1
Manganese	1.8		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:21	1
Nickel	0.029		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/24/24 00:21	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:21	1
Zinc	<0.50	*+ ^+	0.50	0.020	mg/L		08/22/24 08:40	08/24/24 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.025		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 17:33	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 17:33	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 10:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0069	mg/Kg	☼	08/26/24 17:40	08/27/24 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.2	0.2	SU			08/21/24 17:15	1

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

GC/MS VOA

Prep Batch: 781748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	5035	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	5035	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	5035	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	5035	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	5035	
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	5035	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	5035	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	5035	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	5035	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	5035	

Analysis Batch: 781782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	8260D	781748
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	8260D	781748
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	8260D	781748
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	8260D	781748
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	8260D	781748
MB 500-781782/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-781782/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-781782/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 782848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	8260D	781748
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	8260D	781748
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	8260D	781748
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	8260D	781748
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	8260D	781748
MB 500-782848/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-782848/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 500-782848/27	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 782215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	3546	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	3546	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	3546	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	3546	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	3546	
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	3546	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	3546	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	3546	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	3546	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	3546	
MB 500-782215/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-782215/2-A	Lab Control Sample	Total/NA	Solid	3546	

QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

GC/MS Semi VOA

Analysis Batch: 782320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	8270E	782215
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	8270E	782215
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	8270E	782215
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	8270E	782215
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	8270E	782215
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	8270E	782215
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	8270E	782215
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	8270E	782215
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	8270E	782215
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	8270E	782215
MB 500-782215/1-A	Method Blank	Total/NA	Solid	8270E	782215
LCS 500-782215/2-A	Lab Control Sample	Total/NA	Solid	8270E	782215

Metals

Leach Batch: 781807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	1311	
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	1311	
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	1311	
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	1311	
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	1311	
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	1311	
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	1311	
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	1311	
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	1311	
LB 500-781807/1-B	Method Blank	TCLP	Solid	1311	
LB 500-781807/1-C	Method Blank	TCLP	Solid	1311	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	1311	
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	TCLP	Solid	1311	
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	1311	

Leach Batch: 781809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	SPLP East	Solid	1312	
500-255160-2	ELG-SS-123-B04 (0-2)	SPLP East	Solid	1312	
500-255160-3	ELG-SS-123-B08 (0-2)	SPLP East	Solid	1312	
500-255160-4	ELG-SS-123-B05 (0-2)	SPLP East	Solid	1312	
500-255160-5	ELG-SS-123-B09 (0-2)	SPLP East	Solid	1312	
500-255160-6	ELG-SS-123-B06 (0-2)	SPLP East	Solid	1312	
500-255160-7	ELG-SS-123-B06 (0-2)D	SPLP East	Solid	1312	
500-255160-8	ELG-SS-123-B03 (0-2)	SPLP East	Solid	1312	
500-255160-9	ELG-SS-123-B02 (0-2)	SPLP East	Solid	1312	
500-255160-10	ELG-SS-123-B01 (0-2)	SPLP East	Solid	1312	
LB 500-781809/1-B	Method Blank	SPLP East	Solid	1312	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	SPLP East	Solid	1312	
500-255160-1 DU	ELG-SS-123-B07 (0-2)	SPLP East	Solid	1312	

Leach Batch: 781837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	1311	

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QC Association Summary

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Metals (Continued)

Leach Batch: 781837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB2 500-781837/1-B	Method Blank	TCLP	Solid	1311	
LB2 500-781837/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 782553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	7470A	781837
LB2 500-781837/1-B	Method Blank	TCLP	Solid	7470A	781837
MB 500-782553/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-782553/14-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 500-782553/24-A	Lab Control Sample Dup	Total/NA	Solid	7470A	

Prep Batch: 782739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	3010A	781807
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	3010A	781807
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	3010A	781807
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	3010A	781807
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	3010A	781837
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	3010A	781807
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	3010A	781807
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	3010A	781807
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	3010A	781807
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	3010A	781807
LB 500-781807/1-B	Method Blank	TCLP	Solid	3010A	781807
LB2 500-781837/1-C	Method Blank	TCLP	Solid	3010A	781837
LCS 500-782739/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	3010A	781807
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	3010A	781807

Prep Batch: 782743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	SPLP East	Solid	3010A	781809
500-255160-2	ELG-SS-123-B04 (0-2)	SPLP East	Solid	3010A	781809
500-255160-3	ELG-SS-123-B08 (0-2)	SPLP East	Solid	3010A	781809
500-255160-4	ELG-SS-123-B05 (0-2)	SPLP East	Solid	3010A	781809
500-255160-5	ELG-SS-123-B09 (0-2)	SPLP East	Solid	3010A	781809
500-255160-6	ELG-SS-123-B06 (0-2)	SPLP East	Solid	3010A	781809
500-255160-7	ELG-SS-123-B06 (0-2)D	SPLP East	Solid	3010A	781809
500-255160-8	ELG-SS-123-B03 (0-2)	SPLP East	Solid	3010A	781809
500-255160-9	ELG-SS-123-B02 (0-2)	SPLP East	Solid	3010A	781809
500-255160-10	ELG-SS-123-B01 (0-2)	SPLP East	Solid	3010A	781809
LB 500-781809/1-B	Method Blank	SPLP East	Solid	3010A	781809
LCS 500-782743/2-A	Lab Control Sample	Total/NA	Solid	3010A	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	SPLP East	Solid	3010A	781809
500-255160-1 DU	ELG-SS-123-B07 (0-2)	SPLP East	Solid	3010A	781809

Analysis Batch: 782773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	7470A	782553
LB2 500-781837/1-B	Method Blank	TCLP	Solid	7470A	782553
MB 500-782553/12-A	Method Blank	Total/NA	Solid	7470A	782553

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QC Association Summary

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Metals (Continued)

Analysis Batch: 782773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-782553/14-A	Lab Control Sample	Total/NA	Solid	7470A	782553
LCSD 500-782553/24-A	Lab Control Sample Dup	Total/NA	Solid	7470A	782553

Analysis Batch: 782923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	SPLP East	Solid	6010D	782743
500-255160-2	ELG-SS-123-B04 (0-2)	SPLP East	Solid	6010D	782743
500-255160-3	ELG-SS-123-B08 (0-2)	SPLP East	Solid	6010D	782743
500-255160-4	ELG-SS-123-B05 (0-2)	SPLP East	Solid	6010D	782743
500-255160-5	ELG-SS-123-B09 (0-2)	SPLP East	Solid	6010D	782743
500-255160-6	ELG-SS-123-B06 (0-2)	SPLP East	Solid	6010D	782743
500-255160-7	ELG-SS-123-B06 (0-2)D	SPLP East	Solid	6010D	782743
500-255160-8	ELG-SS-123-B03 (0-2)	SPLP East	Solid	6010D	782743
500-255160-9	ELG-SS-123-B02 (0-2)	SPLP East	Solid	6010D	782743
500-255160-10	ELG-SS-123-B01 (0-2)	SPLP East	Solid	6010D	782743
LB 500-781809/1-B	Method Blank	SPLP East	Solid	6010D	782743
LCS 500-782743/2-A	Lab Control Sample	Total/NA	Solid	6010D	782743
500-255160-1 MS	ELG-SS-123-B07 (0-2)	SPLP East	Solid	6010D	782743
500-255160-1 DU	ELG-SS-123-B07 (0-2)	SPLP East	Solid	6010D	782743

Analysis Batch: 783199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	6010D	782739
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	6010D	782739
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	6010D	782739
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	6010D	782739
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	6010D	782739
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	6010D	782739
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	6010D	782739
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	6010D	782739
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	6010D	782739
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	6010D	782739
LB 500-781807/1-B	Method Blank	TCLP	Solid	6010D	782739
LB2 500-781837/1-C	Method Blank	TCLP	Solid	6010D	782739
LCS 500-782739/2-A	Lab Control Sample	Total/NA	Solid	6010D	782739
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	6010D	782739
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	6010D	782739

Prep Batch: 783308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	7471B	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	7471B	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	7471B	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	7471B	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	7471B	
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	7471B	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	7471B	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	7471B	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	7471B	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	7471B	
MB 500-783308/12-A	Method Blank	Total/NA	Solid	7471B	

Eurofins Chicago

QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Metals (Continued)

Prep Batch: 783308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-783308/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 783402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	6020B	782739
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	6020B	782739
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	6020B	782739
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	6020B	782739
500-255160-5	ELG-SS-123-B09 (0-2)	TCLP	Solid	6020B	782739
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	6020B	782739
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	6020B	782739
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	6020B	782739
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	6020B	782739
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	6020B	782739
LB 500-781807/1-B	Method Blank	TCLP	Solid	6020B	782739
LB2 500-781837/1-C	Method Blank	TCLP	Solid	6020B	782739
LCS 500-782739/2-A	Lab Control Sample	Total/NA	Solid	6020B	782739
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	6020B	782739
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	6020B	782739

Analysis Batch: 783450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	7471B	783308
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	7471B	783308
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	7471B	783308
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	7471B	783308
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	7471B	783308
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	7471B	783308
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	7471B	783308
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	7471B	783308
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	7471B	783308
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	7471B	783308
MB 500-783308/12-A	Method Blank	Total/NA	Solid	7471B	783308
LCS 500-783308/13-A	Lab Control Sample	Total/NA	Solid	7471B	783308

Prep Batch: 783628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	3050B	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	3050B	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	3050B	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	3050B	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	3050B	
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	3050B	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	3050B	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	3050B	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	3050B	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	3050B	
MB 500-783628/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-783628/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	Total/NA	Solid	3050B	
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	Total/NA	Solid	3050B	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Metals (Continued)

Prep Batch: 783628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1 DU	ELG-SS-123-B07 (0-2)	Total/NA	Solid	3050B	

Prep Batch: 783643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	781807
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	7470A	781807
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	7470A	781807
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	7470A	781807
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	7470A	781807
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	7470A	781807
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	7470A	781807
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	7470A	781807
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	7470A	781807
LB 500-781807/1-C	Method Blank	TCLP	Solid	7470A	781807
MB 500-783643/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-783643/14-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 500-783643/27-A	Lab Control Sample Dup	Total/NA	Solid	7470A	
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	781807
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	781807
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	781807

Analysis Batch: 783800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	6010D	783628
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	6010D	783628
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	6010D	783628
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	6010D	783628
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	6010D	783628
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	6010D	783628
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	6010D	783628
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	6010D	783628
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	6010D	783628
MB 500-783628/1-A	Method Blank	Total/NA	Solid	6010D	783628
LCS 500-783628/2-A	Lab Control Sample	Total/NA	Solid	6010D	783628
500-255160-1 MS	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-1 DU	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628

Analysis Batch: 783851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	783643
500-255160-2	ELG-SS-123-B04 (0-2)	TCLP	Solid	7470A	783643
500-255160-3	ELG-SS-123-B08 (0-2)	TCLP	Solid	7470A	783643
500-255160-4	ELG-SS-123-B05 (0-2)	TCLP	Solid	7470A	783643
500-255160-6	ELG-SS-123-B06 (0-2)	TCLP	Solid	7470A	783643
500-255160-7	ELG-SS-123-B06 (0-2)D	TCLP	Solid	7470A	783643
500-255160-8	ELG-SS-123-B03 (0-2)	TCLP	Solid	7470A	783643
500-255160-9	ELG-SS-123-B02 (0-2)	TCLP	Solid	7470A	783643
500-255160-10	ELG-SS-123-B01 (0-2)	TCLP	Solid	7470A	783643
LB 500-781807/1-C	Method Blank	TCLP	Solid	7470A	783643

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Metals (Continued)

Analysis Batch: 783851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-783643/12-A	Method Blank	Total/NA	Solid	7470A	783643
LCS 500-783643/14-A	Lab Control Sample	Total/NA	Solid	7470A	783643
LCSD 500-783643/27-A	Lab Control Sample Dup	Total/NA	Solid	7470A	783643
500-255160-1 MS	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	783643
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	783643
500-255160-1 DU	ELG-SS-123-B07 (0-2)	TCLP	Solid	7470A	783643

Analysis Batch: 783907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	6010D	783628
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	6010D	783628
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	6010D	783628
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	6010D	783628
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	6010D	783628
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	6010D	783628
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	6010D	783628
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	6010D	783628
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	6010D	783628
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	6010D	783628
MB 500-783628/1-A	Method Blank	Total/NA	Solid	6010D	783628
LCS 500-783628/2-A	Lab Control Sample	Total/NA	Solid	6010D	783628
500-255160-1 MS	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-1 MSD	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628
500-255160-1 DU	ELG-SS-123-B07 (0-2)	Total/NA	Solid	6010D	783628

General Chemistry

Analysis Batch: 782728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	9045D	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	9045D	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	9045D	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	9045D	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	9045D	
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	9045D	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	9045D	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	9045D	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	9045D	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	9045D	
LCS 500-782728/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-782728/3	Lab Control Sample Dup	Total/NA	Solid	9045D	
500-255160-10 DU	ELG-SS-123-B01 (0-2)	Total/NA	Solid	9045D	

Analysis Batch: 782978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-1	ELG-SS-123-B07 (0-2)	Total/NA	Solid	Moisture	
500-255160-2	ELG-SS-123-B04 (0-2)	Total/NA	Solid	Moisture	
500-255160-3	ELG-SS-123-B08 (0-2)	Total/NA	Solid	Moisture	
500-255160-4	ELG-SS-123-B05 (0-2)	Total/NA	Solid	Moisture	
500-255160-5	ELG-SS-123-B09 (0-2)	Total/NA	Solid	Moisture	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

General Chemistry (Continued)

Analysis Batch: 782978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255160-6	ELG-SS-123-B06 (0-2)	Total/NA	Solid	Moisture	
500-255160-7	ELG-SS-123-B06 (0-2)D	Total/NA	Solid	Moisture	
500-255160-8	ELG-SS-123-B03 (0-2)	Total/NA	Solid	Moisture	
500-255160-9	ELG-SS-123-B02 (0-2)	Total/NA	Solid	Moisture	
500-255160-10	ELG-SS-123-B01 (0-2)	Total/NA	Solid	Moisture	
500-255160-10 DU	ELG-SS-123-B01 (0-2)	Total/NA	Solid	Moisture	

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

Surrogate Summary

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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)
500-255160-1	ELG-SS-123-B07 (0-2)	112	109	121	107
500-255160-2	ELG-SS-123-B04 (0-2)	149 S1+	104	111	125 S1+
500-255160-3	ELG-SS-123-B08 (0-2)	162 S1+	116	138 S1+	123
500-255160-4	ELG-SS-123-B05 (0-2)	120	107	130	113
500-255160-5	ELG-SS-123-B09 (0-2)	119	114	127	107
500-255160-6	ELG-SS-123-B06 (0-2)	113	114	126	109
500-255160-7	ELG-SS-123-B06 (0-2)D	136 S1+	108	121	114
500-255160-8	ELG-SS-123-B03 (0-2)	118	104	116	110
500-255160-9	ELG-SS-123-B02 (0-2)	119	109	135 S1+	110
500-255160-10	ELG-SS-123-B01 (0-2)	112	111	128	108
LCS 500-781782/4	Lab Control Sample	111	106	114	113
LCS 500-782848/4	Lab Control Sample	104	104	104	112
LCSD 500-781782/5	Lab Control Sample Dup	106	105	115	111
LCSD 500-782848/27	Lab Control Sample Dup	108	104	105	110
MB 500-781782/7	Method Blank	112	104	118	112
MB 500-782848/6	Method Blank	114	104	107	111

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)
500-255160-1	ELG-SS-123-B07 (0-2)	62	64	63	71	68	75
500-255160-2	ELG-SS-123-B04 (0-2)	50	52	53	56	46	54
500-255160-3	ELG-SS-123-B08 (0-2)	52	57	55	65	60	74
500-255160-4	ELG-SS-123-B05 (0-2)	62	65	64	72	71	82
500-255160-5	ELG-SS-123-B09 (0-2)	66	69	66	75	71	84
500-255160-6	ELG-SS-123-B06 (0-2)	60	63	62	71	68	78
500-255160-7	ELG-SS-123-B06 (0-2)D	65	68	61	72	68	83
500-255160-8	ELG-SS-123-B03 (0-2)	53	58	56	64	56	67
500-255160-9	ELG-SS-123-B02 (0-2)	66	68	69	73	68	85
500-255160-10	ELG-SS-123-B01 (0-2)	54	57	57	64	66	77
LCS 500-782215/2-A	Lab Control Sample	70	73	77	81	76	84
MB 500-782215/1-A	Method Blank	75	76	81	83	73	91

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 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: MB 500-781782/7
Matrix: Solid
Analysis Batch: 781782

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.020		0.020	0.0084	mg/Kg			08/16/24 11:40	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			08/16/24 11:40	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			08/16/24 11:40	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			08/16/24 11:40	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			08/16/24 11:40	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			08/16/24 11:40	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			08/16/24 11:40	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			08/16/24 11:40	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			08/16/24 11:40	1
Chloroethane	<0.0050		0.0050	0.0016	mg/Kg			08/16/24 11:40	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			08/16/24 11:40	1
Chloromethane	<0.0050		0.0050	0.00097	mg/Kg			08/16/24 11:40	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			08/16/24 11:40	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00080	mg/Kg			08/16/24 11:40	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			08/16/24 11:40	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			08/16/24 11:40	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			08/16/24 11:40	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			08/16/24 11:40	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			08/16/24 11:40	1
1,3-Dichloropropane, Total	<0.0020		0.0020	0.00096	mg/Kg			08/16/24 11:40	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			08/16/24 11:40	1
2-Hexanone	<0.0050		0.0050	0.0030	mg/Kg			08/16/24 11:40	1
Methylene Chloride	0.00240	J	0.0050	0.0021	mg/Kg			08/16/24 11:40	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0036	mg/Kg			08/16/24 11:40	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			08/16/24 11:40	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			08/16/24 11:40	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00099	mg/Kg			08/16/24 11:40	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			08/16/24 11:40	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			08/16/24 11:40	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			08/16/24 11:40	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00096	mg/Kg			08/16/24 11:40	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00081	mg/Kg			08/16/24 11:40	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			08/16/24 11:40	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			08/16/24 11:40	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			08/16/24 11:40	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			08/16/24 11:40	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			08/16/24 11:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	112		75 - 131		08/16/24 11:40	1
Dibromofluoromethane	104		75 - 126		08/16/24 11:40	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134		08/16/24 11:40	1
Toluene-d8 (Surr)	112		75 - 124		08/16/24 11:40	1

QC Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCS 500-781782/4
Matrix: Solid
Analysis Batch: 781782

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	0.0316		mg/Kg		63	40 - 150
Benzene	0.0500	0.0445		mg/Kg		89	70 - 125
Bromodichloromethane	0.0500	0.0447		mg/Kg		89	67 - 129
Bromoform	0.0500	0.0447		mg/Kg		89	68 - 136
Bromomethane	0.0500	0.0568		mg/Kg		114	70 - 130
2-Butanone (MEK)	0.0500	0.0283		mg/Kg		57	47 - 138
Carbon disulfide	0.0500	0.0479		mg/Kg		96	70 - 129
Carbon tetrachloride	0.0500	0.0506		mg/Kg		101	75 - 125
Chlorobenzene	0.0500	0.0420		mg/Kg		84	50 - 150
Chloroethane	0.0500	0.0481		mg/Kg		96	75 - 125
Chloroform	0.0500	0.0513		mg/Kg		103	57 - 135
Chloromethane	0.0500	0.0428		mg/Kg		86	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0435		mg/Kg		87	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0495		mg/Kg		99	70 - 125
Dibromochloromethane	0.0500	0.0409		mg/Kg		82	69 - 125
1,1-Dichloroethane	0.0500	0.0425		mg/Kg		85	70 - 125
1,2-Dichloroethane	0.0500	0.0463		mg/Kg		93	70 - 130
1,1-Dichloroethene	0.0500	0.0453		mg/Kg		91	70 - 120
1,2-Dichloropropane	0.0500	0.0389		mg/Kg		78	70 - 125
Ethylbenzene	0.0500	0.0449		mg/Kg		90	61 - 136
2-Hexanone	0.0500	0.0331		mg/Kg		66	48 - 146
Methylene Chloride	0.0500	0.0438		mg/Kg		88	70 - 126
4-Methyl-2-pentanone (MIBK)	0.0500	0.0337		mg/Kg		67	50 - 148
Methyl tert-butyl ether	0.0500	0.0511		mg/Kg		102	50 - 140
Styrene	0.0500	0.0457		mg/Kg		91	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0406		mg/Kg		81	70 - 122
Tetrachloroethene	0.0500	0.0467		mg/Kg		93	70 - 124
Toluene	0.0500	0.0432		mg/Kg		86	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0447		mg/Kg		89	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0495		mg/Kg		99	70 - 125
1,1,1-Trichloroethane	0.0500	0.0531		mg/Kg		106	70 - 128
1,1,2-Trichloroethane	0.0500	0.0400		mg/Kg		80	70 - 125
Trichloroethene	0.0500	0.0423		mg/Kg		85	70 - 125
Vinyl acetate	0.0500	0.0323		mg/Kg		65	40 - 153
Vinyl chloride	0.0500	0.0460		mg/Kg		92	70 - 125
Xylenes, Total	0.100	0.0951		mg/Kg		95	53 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		75 - 131
Dibromofluoromethane	106		75 - 126
1,2-Dichloroethane-d4 (Surr)	114		70 - 134
Toluene-d8 (Surr)	113		75 - 124

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCSD 500-781782/5
Matrix: Solid
Analysis Batch: 781782

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	0.0366		mg/Kg		73	40 - 150	15	30
Benzene	0.0500	0.0455		mg/Kg		91	70 - 125	2	30
Bromodichloromethane	0.0500	0.0451		mg/Kg		90	67 - 129	1	30
Bromoform	0.0500	0.0458		mg/Kg		92	68 - 136	3	30
Bromomethane	0.0500	0.0594		mg/Kg		119	70 - 130	4	30
2-Butanone (MEK)	0.0500	0.0301		mg/Kg		60	47 - 138	6	30
Carbon disulfide	0.0500	0.0502		mg/Kg		100	70 - 129	5	30
Carbon tetrachloride	0.0500	0.0533		mg/Kg		107	75 - 125	5	30
Chlorobenzene	0.0500	0.0422		mg/Kg		84	50 - 150	1	30
Chloroethane	0.0500	0.0496		mg/Kg		99	75 - 125	3	30
Chloroform	0.0500	0.0536		mg/Kg		107	57 - 135	4	30
Chloromethane	0.0500	0.0437		mg/Kg		87	70 - 125	2	30
cis-1,2-Dichloroethene	0.0500	0.0455		mg/Kg		91	70 - 125	5	30
cis-1,3-Dichloropropene	0.0500	0.0493		mg/Kg		99	70 - 125	0	30
Dibromochloromethane	0.0500	0.0413		mg/Kg		83	69 - 125	1	30
1,1-Dichloroethane	0.0500	0.0444		mg/Kg		89	70 - 125	4	30
1,2-Dichloroethane	0.0500	0.0461		mg/Kg		92	70 - 130	0	30
1,1-Dichloroethene	0.0500	0.0491		mg/Kg		98	70 - 120	8	30
1,2-Dichloropropane	0.0500	0.0386		mg/Kg		77	70 - 125	1	30
Ethylbenzene	0.0500	0.0454		mg/Kg		91	61 - 136	1	30
2-Hexanone	0.0500	0.0359		mg/Kg		72	48 - 146	8	30
Methylene Chloride	0.0500	0.0476		mg/Kg		95	70 - 126	8	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0357		mg/Kg		71	50 - 148	6	30
Methyl tert-butyl ether	0.0500	0.0541		mg/Kg		108	50 - 140	6	30
Styrene	0.0500	0.0476		mg/Kg		95	70 - 125	4	30
1,1,2,2-Tetrachloroethane	0.0500	0.0406		mg/Kg		81	70 - 122	0	30
Tetrachloroethene	0.0500	0.0471		mg/Kg		94	70 - 124	1	30
Toluene	0.0500	0.0443		mg/Kg		89	70 - 125	2	30
trans-1,2-Dichloroethene	0.0500	0.0480		mg/Kg		96	70 - 125	7	30
trans-1,3-Dichloropropene	0.0500	0.0493		mg/Kg		99	70 - 125	0	30
1,1,1-Trichloroethane	0.0500	0.0565		mg/Kg		113	70 - 128	6	30
1,1,2-Trichloroethane	0.0500	0.0401		mg/Kg		80	70 - 125	0	30
Trichloroethene	0.0500	0.0438		mg/Kg		88	70 - 125	3	30
Vinyl acetate	0.0500	0.0321		mg/Kg		64	40 - 153	1	30
Vinyl chloride	0.0500	0.0526		mg/Kg		105	70 - 125	13	30
Xylenes, Total	0.100	0.0984		mg/Kg		98	53 - 147	3	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		75 - 131
Dibromofluoromethane	105		75 - 126
1,2-Dichloroethane-d4 (Surr)	115		70 - 134
Toluene-d8 (Surr)	111		75 - 124

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: MB 500-782848/6
Matrix: Solid
Analysis Batch: 782848

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.020		0.020	0.0084	mg/Kg			08/22/24 23:20	1
Benzene	<0.0020		0.0020	0.00063	mg/Kg			08/22/24 23:20	1
Bromodichloromethane	<0.0020		0.0020	0.00064	mg/Kg			08/22/24 23:20	1
Bromoform	<0.0020		0.0020	0.0012	mg/Kg			08/22/24 23:20	1
Bromomethane	<0.0050		0.0050	0.0025	mg/Kg			08/22/24 23:20	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			08/22/24 23:20	1
Carbon disulfide	<0.0050		0.0050	0.00092	mg/Kg			08/22/24 23:20	1
Carbon tetrachloride	<0.0020		0.0020	0.00068	mg/Kg			08/22/24 23:20	1
Chlorobenzene	<0.0020		0.0020	0.00084	mg/Kg			08/22/24 23:20	1
Chloroethane	<0.0050		0.0050	0.0016	mg/Kg			08/22/24 23:20	1
Chloroform	<0.0020		0.0020	0.0014	mg/Kg			08/22/24 23:20	1
Chloromethane	<0.0050		0.0050	0.00097	mg/Kg			08/22/24 23:20	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00081	mg/Kg			08/22/24 23:20	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00080	mg/Kg			08/22/24 23:20	1
Dibromochloromethane	<0.0020		0.0020	0.00093	mg/Kg			08/22/24 23:20	1
1,1-Dichloroethane	<0.0020		0.0020	0.00075	mg/Kg			08/22/24 23:20	1
1,2-Dichloroethane	<0.0050		0.0050	0.0013	mg/Kg			08/22/24 23:20	1
1,1-Dichloroethene	<0.0020		0.0020	0.00082	mg/Kg			08/22/24 23:20	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			08/22/24 23:20	1
1,3-Dichloropropane, Total	<0.0020		0.0020	0.00096	mg/Kg			08/22/24 23:20	1
Ethylbenzene	<0.0020		0.0020	0.0011	mg/Kg			08/22/24 23:20	1
2-Hexanone	<0.0050		0.0050	0.0030	mg/Kg			08/22/24 23:20	1
Methylene Chloride	0.00902		0.0050	0.0021	mg/Kg			08/22/24 23:20	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0036	mg/Kg			08/22/24 23:20	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00065	mg/Kg			08/22/24 23:20	1
Styrene	<0.0020		0.0020	0.00090	mg/Kg			08/22/24 23:20	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00099	mg/Kg			08/22/24 23:20	1
Tetrachloroethene	<0.0020		0.0020	0.0011	mg/Kg			08/22/24 23:20	1
Toluene	<0.0020		0.0020	0.00040	mg/Kg			08/22/24 23:20	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00076	mg/Kg			08/22/24 23:20	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00096	mg/Kg			08/22/24 23:20	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00081	mg/Kg			08/22/24 23:20	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00075	mg/Kg			08/22/24 23:20	1
Trichloroethene	<0.0020		0.0020	0.00054	mg/Kg			08/22/24 23:20	1
Vinyl acetate	<0.0050		0.0050	0.0012	mg/Kg			08/22/24 23:20	1
Vinyl chloride	<0.0020		0.0020	0.00082	mg/Kg			08/22/24 23:20	1
Xylenes, Total	<0.0040		0.0040	0.00069	mg/Kg			08/22/24 23:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	114		75 - 131		08/22/24 23:20	1
Dibromofluoromethane	104		75 - 126		08/22/24 23:20	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134		08/22/24 23:20	1
Toluene-d8 (Surr)	111		75 - 124		08/22/24 23:20	1

QC Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCS 500-782848/4

Matrix: Solid

Analysis Batch: 782848

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	0.0401		mg/Kg		80	40 - 150
Benzene	0.0500	0.0506		mg/Kg		101	70 - 125
Bromodichloromethane	0.0500	0.0480		mg/Kg		96	67 - 129
Bromoform	0.0500	0.0545		mg/Kg		109	68 - 136
Bromomethane	0.0500	0.0626		mg/Kg		125	70 - 130
2-Butanone (MEK)	0.0500	0.0352		mg/Kg		70	47 - 138
Carbon disulfide	0.0500	0.0577		mg/Kg		115	70 - 129
Carbon tetrachloride	0.0500	0.0555		mg/Kg		111	75 - 125
Chlorobenzene	0.0500	0.0499		mg/Kg		100	50 - 150
Chloroethane	0.0500	0.0522		mg/Kg		104	75 - 125
Chloroform	0.0500	0.0577		mg/Kg		115	57 - 135
Chloromethane	0.0500	0.0448		mg/Kg		90	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0532		mg/Kg		106	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0544		mg/Kg		109	70 - 125
Dibromochloromethane	0.0500	0.0470		mg/Kg		94	69 - 125
1,1-Dichloroethane	0.0500	0.0497		mg/Kg		99	70 - 125
1,2-Dichloroethane	0.0500	0.0480		mg/Kg		96	70 - 130
1,1-Dichloroethene	0.0500	0.0574		mg/Kg		115	70 - 120
1,2-Dichloropropane	0.0500	0.0446		mg/Kg		89	70 - 125
Ethylbenzene	0.0500	0.0521		mg/Kg		104	61 - 136
2-Hexanone	0.0500	0.0423		mg/Kg		85	48 - 146
Methylene Chloride	0.0500	0.0613		mg/Kg		123	70 - 126
4-Methyl-2-pentanone (MIBK)	0.0500	0.0407		mg/Kg		81	50 - 148
Methyl tert-butyl ether	0.0500	0.0627		mg/Kg		125	50 - 140
Styrene	0.0500	0.0562		mg/Kg		112	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0524		mg/Kg		105	70 - 122
Tetrachloroethene	0.0500	0.0531		mg/Kg		106	70 - 124
Toluene	0.0500	0.0506		mg/Kg		101	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0551		mg/Kg		110	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0540		mg/Kg		108	70 - 125
1,1,1-Trichloroethane	0.0500	0.0589		mg/Kg		118	70 - 128
1,1,2-Trichloroethane	0.0500	0.0491		mg/Kg		98	70 - 125
Trichloroethene	0.0500	0.0484		mg/Kg		97	70 - 125
Vinyl acetate	0.0500	0.0326		mg/Kg		65	40 - 153
Vinyl chloride	0.0500	0.0518		mg/Kg		104	70 - 125
Xylenes, Total	0.100	0.113		mg/Kg		113	53 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		75 - 131
Dibromofluoromethane	104		75 - 126
1,2-Dichloroethane-d4 (Surr)	104		70 - 134
Toluene-d8 (Surr)	112		75 - 124

QC Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCSD 500-782848/27
Matrix: Solid
Analysis Batch: 782848

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	0.0371		mg/Kg		74	40 - 150	8	30
Benzene	0.0500	0.0487		mg/Kg		97	70 - 125	4	30
Bromodichloromethane	0.0500	0.0460		mg/Kg		92	67 - 129	4	30
Bromoform	0.0500	0.0497		mg/Kg		99	68 - 136	9	30
Bromomethane	0.0500	0.0578		mg/Kg		116	70 - 130	8	30
2-Butanone (MEK)	0.0500	0.0331		mg/Kg		66	47 - 138	6	30
Carbon disulfide	0.0500	0.0555		mg/Kg		111	70 - 129	4	30
Carbon tetrachloride	0.0500	0.0528		mg/Kg		106	75 - 125	5	30
Chlorobenzene	0.0500	0.0470		mg/Kg		94	50 - 150	6	30
Chloroethane	0.0500	0.0493		mg/Kg		99	75 - 125	6	30
Chloroform	0.0500	0.0532		mg/Kg		106	57 - 135	8	30
Chloromethane	0.0500	0.0422		mg/Kg		84	70 - 125	6	30
cis-1,2-Dichloroethene	0.0500	0.0493		mg/Kg		99	70 - 125	8	30
cis-1,3-Dichloropropene	0.0500	0.0520		mg/Kg		104	70 - 125	5	30
Dibromochloromethane	0.0500	0.0442		mg/Kg		88	69 - 125	6	30
1,1-Dichloroethane	0.0500	0.0468		mg/Kg		94	70 - 125	6	30
1,2-Dichloroethane	0.0500	0.0453		mg/Kg		91	70 - 130	6	30
1,1-Dichloroethene	0.0500	0.0546		mg/Kg		109	70 - 120	5	30
1,2-Dichloropropane	0.0500	0.0434		mg/Kg		87	70 - 125	3	30
Ethylbenzene	0.0500	0.0505		mg/Kg		101	61 - 136	3	30
2-Hexanone	0.0500	0.0404		mg/Kg		81	48 - 146	4	30
Methylene Chloride	0.0500	0.0533		mg/Kg		107	70 - 126	14	30
4-Methyl-2-pentanone (MIBK)	0.0500	0.0404		mg/Kg		81	50 - 148	1	30
Methyl tert-butyl ether	0.0500	0.0586		mg/Kg		117	50 - 140	7	30
Styrene	0.0500	0.0526		mg/Kg		105	70 - 125	7	30
1,1,2,2-Tetrachloroethane	0.0500	0.0502		mg/Kg		100	70 - 122	4	30
Tetrachloroethene	0.0500	0.0504		mg/Kg		101	70 - 124	5	30
Toluene	0.0500	0.0471		mg/Kg		94	70 - 125	7	30
trans-1,2-Dichloroethene	0.0500	0.0525		mg/Kg		105	70 - 125	5	30
trans-1,3-Dichloropropene	0.0500	0.0515		mg/Kg		103	70 - 125	5	30
1,1,1-Trichloroethane	0.0500	0.0561		mg/Kg		112	70 - 128	5	30
1,1,2-Trichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125	8	30
Trichloroethene	0.0500	0.0469		mg/Kg		94	70 - 125	3	30
Vinyl acetate	0.0500	0.0367		mg/Kg		73	40 - 153	12	30
Vinyl chloride	0.0500	0.0496		mg/Kg		99	70 - 125	4	30
Xylenes, Total	0.100	0.106		mg/Kg		106	53 - 147	6	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		75 - 131
Dibromofluoromethane	104		75 - 126
1,2-Dichloroethane-d4 (Surr)	105		70 - 134
Toluene-d8 (Surr)	110		75 - 124

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: MB 500-782215/1-A
Matrix: Solid
Analysis Batch: 782320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782215

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	<0.17		0.17	0.024	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
1,2-Dichlorobenzene	<0.17		0.17	0.014	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
1,3-Dichlorobenzene	<0.17		0.17	0.015	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
1,4-Dichlorobenzene	<0.17		0.17	0.016	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.024	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4,5-Trichlorophenol	<0.33		0.33	0.013	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4,6-Trichlorophenol	<0.33		0.33	0.011	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4-Dichlorophenol	<0.33		0.33	0.012	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4-Dimethylphenol	<0.33		0.33	0.074	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4-Dinitrophenol	<0.67		0.67	0.19	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,4-Dinitrotoluene	<0.17		0.17	0.019	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2,6-Dinitrotoluene	<0.17		0.17	0.011	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Chloronaphthalene	<0.17		0.17	0.012	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Chlorophenol	<0.17		0.17	0.011	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Methylnaphthalene	<0.067		0.067	0.0067	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Methylphenol	<0.17		0.17	0.018	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Nitroaniline	<0.17		0.17	0.018	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
2-Nitrophenol	<0.33		0.33	0.023	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
3 & 4 Methylphenol	<0.17		0.17	0.024	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.027	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
3-Nitroaniline	<0.33		0.33	0.015	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.19	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.023	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Chloro-3-methylphenol	<0.33		0.33	0.013	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Chloroaniline	<0.67		0.67	0.35	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Nitroaniline	<0.33		0.33	0.025	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
4-Nitrophenol	<0.67		0.67	0.12	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Acenaphthene	<0.033		0.033	0.0068	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Acenaphthylene	<0.033		0.033	0.0056	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Anthracene	<0.033		0.033	0.0068	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Benzo[a]anthracene	<0.033		0.033	0.0070	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Benzo[a]pyrene	<0.033		0.033	0.032	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Benzo[b]fluoranthene	<0.033		0.033	0.032	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Benzo[g,h,i]perylene	<0.033		0.033	0.0072	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Benzo[k]fluoranthene	<0.033		0.033	0.013	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.012	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.015	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.13	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Butyl benzyl phthalate	<0.17		0.17	0.017	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Carbazole	<0.17		0.17	0.013	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Chrysene	<0.033		0.033	0.0088	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Dibenz(a,h)anthracene	<0.033		0.033	0.033	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Dibenzofuran	<0.17		0.17	0.012	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Diethyl phthalate	0.0373	J	0.17	0.015	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Dimethyl phthalate	<0.17		0.17	0.0072	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Di-n-butyl phthalate	<0.17		0.17	0.011	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Di-n-octyl phthalate	<0.33		0.33	0.23	mg/Kg		08/19/24 15:09	08/20/24 11:00	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: MB 500-782215/1-A
Matrix: Solid
Analysis Batch: 782320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782215

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	<0.033		0.033	0.0077	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Fluorene	<0.033		0.033	0.0098	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Hexachlorobenzene	<0.067		0.067	0.0064	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Hexachlorobutadiene	<0.17		0.17	0.019	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Hexachlorocyclopentadiene	<0.67		0.67	0.35	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Hexachloroethane	<0.17		0.17	0.017	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.032	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Isophorone	<0.17		0.17	0.017	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Naphthalene	<0.033		0.033	0.0060	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Nitrobenzene	<0.033		0.033	0.011	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.0066	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
N-Nitrosodiphenylamine	<0.17		0.17	0.020	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Pentachlorophenol	<0.67		0.67	0.083	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Phenanthrene	<0.033		0.033	0.0072	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Phenol	<0.17		0.17	0.014	mg/Kg		08/19/24 15:09	08/20/24 11:00	1
Pyrene	<0.033		0.033	0.0091	mg/Kg		08/19/24 15:09	08/20/24 11:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	75		31 - 166	08/19/24 15:09	08/20/24 11:00	1
Phenol-d5 (Surr)	76		30 - 153	08/19/24 15:09	08/20/24 11:00	1
Nitrobenzene-d5 (Surr)	81		37 - 147	08/19/24 15:09	08/20/24 11:00	1
2-Fluorobiphenyl (Surr)	83		43 - 145	08/19/24 15:09	08/20/24 11:00	1
2,4,6-Tribromophenol (Surr)	73		31 - 143	08/19/24 15:09	08/20/24 11:00	1
Terphenyl-d14 (Surr)	91		42 - 157	08/19/24 15:09	08/20/24 11:00	1

Lab Sample ID: LCS 500-782215/2-A
Matrix: Solid
Analysis Batch: 782320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782215

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2,4-Trichlorobenzene	3.33	2.42		mg/Kg		73	49 - 100
1,2-Dichlorobenzene	3.33	2.31		mg/Kg		69	47 - 94
1,3-Dichlorobenzene	3.33	2.29		mg/Kg		69	47 - 92
1,4-Dichlorobenzene	3.33	2.29		mg/Kg		69	46 - 92
2,2'-oxybis[1-chloropropane]	3.33	2.53		mg/Kg		76	43 - 111
2,4,5-Trichlorophenol	3.33	2.67		mg/Kg		80	48 - 121
2,4,6-Trichlorophenol	3.33	2.58		mg/Kg		77	50 - 121
2,4-Dichlorophenol	3.33	2.55		mg/Kg		77	51 - 109
2,4-Dimethylphenol	3.33	2.70		mg/Kg		81	48 - 93
2,4-Dinitrophenol	6.67	4.08		mg/Kg		61	10 - 130
2,4-Dinitrotoluene	3.33	3.04		mg/Kg		91	65 - 120
2,6-Dinitrotoluene	3.33	3.04		mg/Kg		91	66 - 117
2-Chloronaphthalene	3.33	2.68		mg/Kg		80	60 - 107
2-Chlorophenol	3.33	2.46		mg/Kg		74	50 - 102
2-Methylnaphthalene	3.33	2.36		mg/Kg		71	58 - 103
2-Methylphenol	3.33	2.46		mg/Kg		74	50 - 104
2-Nitroaniline	3.33	3.00		mg/Kg		90	61 - 126
2-Nitrophenol	3.33	2.58		mg/Kg		77	41 - 114

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QC Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCS 500-782215/2-A
Matrix: Solid
Analysis Batch: 782320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3 & 4 Methylphenol	3.33	2.52		mg/Kg		76	49 - 109
3,3'-Dichlorobenzidine	3.33	2.88		mg/Kg		86	36 - 131
3-Nitroaniline	3.33	2.57		mg/Kg		77	44 - 124
4,6-Dinitro-2-methylphenol	6.67	4.99		mg/Kg		75	36 - 138
4-Bromophenyl phenyl ether	3.33	2.73		mg/Kg		82	57 - 124
4-Chloro-3-methylphenol	3.33	2.67		mg/Kg		80	57 - 113
4-Chloroaniline	3.33	2.43		mg/Kg		73	22 - 110
4-Chlorophenyl phenyl ether	3.33	2.79		mg/Kg		84	60 - 112
4-Nitroaniline	3.33	2.75		mg/Kg		83	60 - 115
4-Nitrophenol	6.67	5.15		mg/Kg		77	45 - 126
Acenaphthene	3.33	2.77		mg/Kg		83	63 - 109
Acenaphthylene	3.33	2.93		mg/Kg		88	61 - 115
Anthracene	3.33	2.74		mg/Kg		82	68 - 120
Benzo[a]anthracene	3.33	2.86		mg/Kg		86	70 - 121
Benzo[a]pyrene	3.33	3.17		mg/Kg		95	73 - 132
Benzo[b]fluoranthene	3.33	3.12		mg/Kg		94	68 - 123
Benzo[g,h,i]perylene	3.33	3.27		mg/Kg		98	65 - 126
Benzo[k]fluoranthene	3.33	3.08		mg/Kg		92	64 - 128
Bis(2-chloroethoxy)methane	3.33	2.60		mg/Kg		78	54 - 102
Bis(2-chloroethyl)ether	3.33	2.56		mg/Kg		77	49 - 99
Bis(2-ethylhexyl) phthalate	3.33	3.28		mg/Kg		98	70 - 139
Butyl benzyl phthalate	3.33	3.18		mg/Kg		96	65 - 140
Carbazole	3.33	2.65		mg/Kg		80	68 - 120
Chrysene	3.33	2.69		mg/Kg		81	70 - 123
Dibenz(a,h)anthracene	3.33	3.21		mg/Kg		96	66 - 125
Dibenzofuran	3.33	2.68		mg/Kg		81	64 - 112
Diethyl phthalate	3.33	2.93		mg/Kg		88	66 - 115
Dimethyl phthalate	3.33	2.80		mg/Kg		84	65 - 114
Di-n-butyl phthalate	3.33	2.96		mg/Kg		89	69 - 125
Di-n-octyl phthalate	3.33	3.03		mg/Kg		91	61 - 131
Fluoranthene	3.33	2.78		mg/Kg		83	66 - 123
Fluorene	3.33	2.86		mg/Kg		86	62 - 113
Hexachlorobenzene	3.33	2.73		mg/Kg		82	52 - 126
Hexachlorobutadiene	3.33	2.50		mg/Kg		75	42 - 103
Hexachlorocyclopentadiene	3.33	3.02		mg/Kg		91	10 - 100
Hexachloroethane	3.33	2.42		mg/Kg		73	45 - 95
Indeno[1,2,3-cd]pyrene	3.33	3.17		mg/Kg		95	66 - 131
Isophorone	3.33	2.56		mg/Kg		77	47 - 108
Naphthalene	3.33	2.55		mg/Kg		76	54 - 98
Nitrobenzene	3.33	2.71		mg/Kg		81	52 - 105
N-Nitrosodi-n-propylamine	3.33	2.52		mg/Kg		76	48 - 110
N-Nitrosodiphenylamine	3.33	2.70		mg/Kg		81	67 - 112
Pentachlorophenol	6.67	4.03		mg/Kg		61	32 - 128
Phenanthrene	3.33	2.73		mg/Kg		82	65 - 115
Phenol	3.33	2.53		mg/Kg		76	52 - 110
Pyrene	3.33	2.94		mg/Kg		88	71 - 128

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCS 500-782215/2-A
Matrix: Solid
Analysis Batch: 782320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782215

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	70		31 - 166
Phenol-d5 (Surr)	73		30 - 153
Nitrobenzene-d5 (Surr)	77		37 - 147
2-Fluorobiphenyl (Surr)	81		43 - 145
2,4,6-Tribromophenol (Surr)	76		31 - 143
Terphenyl-d14 (Surr)	84		42 - 157

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-782739/2-A
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782739

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Barium	0.500	0.489	J	mg/L		98	80 - 120
Beryllium	0.0500	0.0503		mg/L		101	80 - 120
Boron	1.00	0.868		mg/L		87	80 - 120
Cadmium	0.0500	0.0503		mg/L		101	80 - 120
Chromium	0.200	0.208		mg/L		104	80 - 120
Cobalt	0.500	0.515		mg/L		103	80 - 120
Iron	1.00	1.06		mg/L		106	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Nickel	0.500	0.554		mg/L		111	80 - 120
Selenium	0.100	0.106		mg/L		106	80 - 120
Silver	0.0500	0.0534		mg/L		107	80 - 120
Zinc	0.500	0.629	*+ ^+	mg/L		126	80 - 120
Manganese	0.500	0.490		mg/L		98	80 - 120

Lab Sample ID: LCS 500-782743/2-A
Matrix: Solid
Analysis Batch: 782923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782743

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Iron	1.00	0.939		mg/L		94	80 - 120
Manganese	0.500	0.490		mg/L		98	80 - 120

Lab Sample ID: MB 500-783628/1-A
Matrix: Solid
Analysis Batch: 783800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783628

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<2.0		2.0	0.39	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Arsenic	<1.0		1.0	0.34	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Barium	<1.0		1.0	0.11	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Beryllium	<0.40		0.40	0.093	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Boron	0.733	J	5.0	0.47	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Cadmium	0.0503	J	0.20	0.036	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Calcium	10.9	J	20	3.4	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Chromium	<1.0		1.0	0.50	mg/Kg		08/28/24 09:11	08/28/24 21:02	1

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: MB 500-783628/1-A
Matrix: Solid
Analysis Batch: 783800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783628

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cobalt	<0.50		0.50	0.13	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Copper	<1.0		1.0	0.28	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Iron	<20		20	10	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Lead	<0.50		0.50	0.23	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Magnesium	6.48	J	10	5.0	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Nickel	<1.0		1.0	0.29	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Potassium	<50		50	18	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Selenium	<1.0		1.0	0.59	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Silver	<0.50		0.50	0.13	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Sodium	<100		100	15	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Thallium	<1.0		1.0	0.50	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Vanadium	<0.50		0.50	0.12	mg/Kg		08/28/24 09:11	08/28/24 21:02	1
Manganese	0.305	J	1.0	0.15	mg/Kg		08/28/24 09:11	08/28/24 21:02	1

Lab Sample ID: MB 500-783628/1-A
Matrix: Solid
Analysis Batch: 783907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783628

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	<2.0		2.0	0.88	mg/Kg		08/28/24 09:11	08/29/24 13:52	1

Lab Sample ID: LCS 500-783628/2-A
Matrix: Solid
Analysis Batch: 783800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	50.0	45.7		mg/Kg		91	80 - 120
Arsenic	10.0	9.08		mg/Kg		91	80 - 120
Barium	200	193		mg/Kg		96	80 - 120
Beryllium	5.00	4.91		mg/Kg		98	80 - 120
Boron	100	87.0		mg/Kg		87	80 - 120
Cadmium	5.00	4.64		mg/Kg		93	80 - 120
Calcium	1000	1010		mg/Kg		101	80 - 120
Chromium	20.0	19.6		mg/Kg		98	80 - 120
Cobalt	50.0	49.1		mg/Kg		98	80 - 120
Copper	25.0	24.5		mg/Kg		98	80 - 120
Iron	100	109		mg/Kg		109	80 - 120
Lead	10.0	10.1		mg/Kg		101	80 - 120
Magnesium	1000	969		mg/Kg		97	80 - 120
Nickel	50.0	49.6		mg/Kg		99	80 - 120
Potassium	1000	951		mg/Kg		95	80 - 120
Selenium	10.0	8.64		mg/Kg		86	80 - 120
Silver	5.00	4.22		mg/Kg		84	80 - 120
Sodium	1000	959		mg/Kg		96	80 - 120
Thallium	10.0	8.81		mg/Kg		88	80 - 120
Vanadium	50.0	49.2		mg/Kg		98	80 - 120
Manganese	50.0	49.4		mg/Kg		99	80 - 120

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: LCS 500-783628/2-A
Matrix: Solid
Analysis Batch: 783907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	50.0	48.3		mg/Kg		97	80 - 120

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 783800

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<1.2	F1	30.4	6.05	F1	mg/Kg	✖	20	75 - 125
Arsenic	6.3	F1	6.08	10.5	F1	mg/Kg	✖	69	75 - 125
Barium	89		122	201		mg/Kg	✖	92	75 - 125
Beryllium	0.97		3.04	3.53		mg/Kg	✖	84	75 - 125
Boron	6.3	B F1	60.8	40.4	F1	mg/Kg	✖	56	75 - 125
Cadmium	0.072	J B F1	3.04	2.29	F1	mg/Kg	✖	73	75 - 125
Calcium	30000	B	608	14600	4	mg/Kg	✖	-2513	75 - 125
Chromium	17		12.2	29.6		mg/Kg	✖	105	75 - 125
Cobalt	11		30.4	41.7		mg/Kg	✖	101	75 - 125
Copper	15		15.2	28.2		mg/Kg	✖	87	75 - 125
Iron	17000		60.8	18100	4	mg/Kg	✖	1368	75 - 125
Lead	13		6.08	20.4		mg/Kg	✖	116	75 - 125
Magnesium	18000	B	608	10400	4	mg/Kg	✖	-1251	75 - 125
Nickel	23		30.4	53.7		mg/Kg	✖	102	75 - 125
Potassium	1700		608	2320		mg/Kg	✖	106	75 - 125
Selenium	0.53	J F1	6.08	4.37	F1	mg/Kg	✖	63	75 - 125
Silver	<0.29	F1	3.04	2.19	F1	mg/Kg	✖	72	75 - 125
Sodium	1900		608	2540		mg/Kg	✖	110	75 - 125
Thallium	1.9	F1	6.08	5.11	F1	mg/Kg	✖	53	75 - 125
Vanadium	30		30.4	62.2		mg/Kg	✖	104	75 - 125
Manganese	540	B F2	30.4	289	4	mg/Kg	✖	-840	75 - 125

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 783907

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	51		30.4	84.9		mg/Kg	✖	110	75 - 125

Lab Sample ID: 500-255160-1 MSD
Matrix: Solid
Analysis Batch: 783800

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<1.2	F1	28.6	5.77	F1	mg/Kg	✖	20	75 - 125	5	20
Arsenic	6.3	F1	5.72	11.0		mg/Kg	✖	83	75 - 125	5	20
Barium	89		114	180		mg/Kg	✖	80	75 - 125	11	20
Beryllium	0.97		2.86	3.37		mg/Kg	✖	84	75 - 125	5	20
Boron	6.3	B F1	57.2	39.1	F1	mg/Kg	✖	57	75 - 125	3	20
Cadmium	0.072	J B F1	2.86	2.12	F1	mg/Kg	✖	72	75 - 125	8	20
Calcium	30000	B	572	13100	4	mg/Kg	✖	-2939	75 - 125	11	20
Chromium	17		11.4	29.3		mg/Kg	✖	108	75 - 125	1	20

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: 500-255160-1 MSD

Matrix: Solid

Analysis Batch: 783800

Client Sample ID: ELG-SS-123-B07 (0-2)

Prep Type: Total/NA

Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Cobalt	11		28.6	40.3		mg/Kg	⊛	103	75 - 125	3	20	
Copper	15		14.3	26.7		mg/Kg	⊛	82	75 - 125	5	20	
Iron	17000		57.2	18900	4	mg/Kg	⊛	2817	75 - 125	4	20	
Lead	13		5.72	20.4		mg/Kg	⊛	123	75 - 125	0	20	
Magnesium	18000	B	572	9630	4	mg/Kg	⊛	-1465	75 - 125	8	20	
Nickel	23		28.6	51.8		mg/Kg	⊛	102	75 - 125	4	20	
Potassium	1700		572	2280		mg/Kg	⊛	107	75 - 125	2	20	
Selenium	0.53	J F1	5.72	4.15	F1	mg/Kg	⊛	63	75 - 125	5	20	
Silver	<0.29	F1	2.86	2.03	F1	mg/Kg	⊛	71	75 - 125	8	20	
Sodium	1900		572	2470		mg/Kg	⊛	105	75 - 125	3	20	
Thallium	1.9	F1	5.72	6.09	F1	mg/Kg	⊛	74	75 - 125	17	20	
Vanadium	30		28.6	61.7		mg/Kg	⊛	109	75 - 125	1	20	
Manganese	540	B F2	28.6	481	4 F2	mg/Kg	⊛	-220	75 - 125	50	20	

Lab Sample ID: 500-255160-1 MSD

Matrix: Solid

Analysis Batch: 783907

Client Sample ID: ELG-SS-123-B07 (0-2)

Prep Type: Total/NA

Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Zinc	51		28.6	83.4		mg/Kg	⊛	112	75 - 125	2	20	

Lab Sample ID: 500-255160-1 DU

Matrix: Solid

Analysis Batch: 783800

Client Sample ID: ELG-SS-123-B07 (0-2)

Prep Type: Total/NA

Prep Batch: 783628

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<1.2	F1	<1.2		mg/Kg	⊛	NC	20
Arsenic	6.3	F1	7.10		mg/Kg	⊛	13	20
Barium	89		85.3		mg/Kg	⊛	5	20
Beryllium	0.97		1.12		mg/Kg	⊛	15	20
Boron	6.3	B F1	5.01	F5	mg/Kg	⊛	23	20
Cadmium	0.072	J B F1	0.0351	J F5	mg/Kg	⊛	69	20
Calcium	30000	B	14100	F3	mg/Kg	⊛	72	20
Chromium	17		19.0		mg/Kg	⊛	11	20
Cobalt	11		12.0		mg/Kg	⊛	9	20
Copper	15		16.3		mg/Kg	⊛	8	20
Iron	17000		20400		mg/Kg	⊛	17	20
Lead	13		14.7		mg/Kg	⊛	10	20
Magnesium	18000	B	8930	F3	mg/Kg	⊛	67	20
Nickel	23		22.2		mg/Kg	⊛	2	20
Potassium	1700		1370		mg/Kg	⊛	20	20
Selenium	0.53	J F1	0.662	F5	mg/Kg	⊛	22	20
Silver	<0.29	F1	<0.29		mg/Kg	⊛	NC	20
Sodium	1900		2160		mg/Kg	⊛	14	20
Thallium	1.9	F1	4.06	F3	mg/Kg	⊛	74	20
Vanadium	30		35.5		mg/Kg	⊛	15	20
Manganese	540	B F2	892	F3	mg/Kg	⊛	48	20

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: 500-255160-1 DU
Matrix: Solid
Analysis Batch: 783907

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: Total/NA
Prep Batch: 783628

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Zinc	51		52.5		mg/Kg	*	2	20

Lab Sample ID: LB 500-781807/1-B
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782739

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/23/24 23:05	1
Boron	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/23/24 23:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/24 08:40	08/23/24 23:05	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:05	1
Cobalt	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:05	1
Iron	<0.40		0.40	0.20	mg/L		08/22/24 08:40	08/23/24 23:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/22/24 08:40	08/23/24 23:05	1
Nickel	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/23/24 23:05	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:05	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/22/24 08:40	08/23/24 23:05	1
Manganese	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/23/24 23:05	1

Lab Sample ID: LB2 500-781837/1-C
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782739

Analyte	LB2	LB2	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.50		0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/22/24 08:40	08/24/24 00:39	1
Boron	0.0589	J	0.50	0.050	mg/L		08/22/24 08:40	08/24/24 00:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/22/24 08:40	08/24/24 00:39	1
Chromium	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:39	1
Cobalt	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:39	1
Iron	<0.40		0.40	0.20	mg/L		08/22/24 08:40	08/24/24 00:39	1
Lead	0.0132		0.0075	0.0075	mg/L		08/22/24 08:40	08/24/24 00:39	1
Nickel	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:39	1
Selenium	<0.050		0.050	0.020	mg/L		08/22/24 08:40	08/24/24 00:39	1
Silver	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:39	1
Zinc	<0.50	^+	0.50	0.020	mg/L		08/22/24 08:40	08/24/24 00:39	1
Manganese	<0.025		0.025	0.010	mg/L		08/22/24 08:40	08/24/24 00:39	1

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: TCLP
Prep Batch: 782739

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Barium	0.91		0.500	1.40		mg/L		98	75 - 125
Beryllium	<0.0040		0.0500	0.0519		mg/L		104	75 - 125
Boron	<0.50		1.00	0.917		mg/L		92	75 - 125
Cadmium	<0.0050		0.0500	0.0526		mg/L		105	75 - 125

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QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: TCLP
Prep Batch: 782739

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Chromium	<0.025		0.200	0.200		mg/L		100	75 - 125
Cobalt	0.022	J	0.500	0.538		mg/L		103	75 - 125
Iron	0.83		1.00	1.83		mg/L		99	75 - 125
Lead	<0.0075		0.100	0.101		mg/L		101	75 - 125
Nickel	0.020	J	0.500	0.558		mg/L		108	75 - 125
Selenium	<0.050		0.100	0.106		mg/L		106	75 - 125
Silver	<0.025		0.0500	0.0542		mg/L		108	75 - 125
Zinc	0.020	J *+ ^+	0.500	0.612	^+	mg/L		118	75 - 125
Manganese	5.3		0.500	5.76	4	mg/L		83	75 - 125

Lab Sample ID: 500-255160-1 DU
Matrix: Solid
Analysis Batch: 783199

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: TCLP
Prep Batch: 782739

Analyte	Sample	Sample	DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	Limit
Barium	0.91		0.895		mg/L		2	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Boron	<0.50		<0.50		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	0.022	J	0.0223	J	mg/L		0.2	20
Iron	0.83		0.831		mg/L		0.5	20
Lead	<0.0075		<0.0075		mg/L		NC	20
Nickel	0.020	J	0.0199	J	mg/L		1	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Zinc	0.020	J *+ ^+	0.0353	J *+ ^+ F5	mg/L		54	20
Manganese	5.3		5.25		mg/L		2	20

Lab Sample ID: LB 500-781809/1-B
Matrix: Solid
Analysis Batch: 782923

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 782743

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	<0.20		0.20	0.20	mg/L		08/22/24 08:46	08/22/24 19:35	1
Manganese	<0.025		0.025	0.010	mg/L		08/22/24 08:46	08/22/24 19:35	1

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 782923

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: SPLP East
Prep Batch: 782743

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Iron	100		1.00	106	4	mg/L		256	75 - 125
Manganese	1.3		0.500	1.77		mg/L		94	75 - 125

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

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

Lab Sample ID: 500-255160-1 DU
Matrix: Solid
Analysis Batch: 782923

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: SPLP East
Prep Batch: 782743

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Iron	100		100		mg/L		3	20
Manganese	1.3		1.28		mg/L		2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCS 500-782739/2-A
Matrix: Solid
Analysis Batch: 783402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Prepared	Analyzed
Antimony	0.500	0.572	^1+	mg/L		114	08/22/24 08:40	80 - 120
Thallium	0.100	0.109		mg/L		109	08/22/24 08:40	80 - 120

Lab Sample ID: LB 500-781807/1-B
Matrix: Solid
Analysis Batch: 783402

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782739

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0060	^1+	0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 16:31	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 16:31	1

Lab Sample ID: LB2 500-781837/1-C
Matrix: Solid
Analysis Batch: 783402

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782739

Analyte	LB2	LB2	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0060		0.0060	0.0013	mg/L		08/22/24 08:40	08/26/24 17:41	1
Thallium	<0.0020		0.0020	0.00057	mg/L		08/22/24 08:40	08/26/24 17:41	1

Lab Sample ID: 500-255160-1 MS
Matrix: Solid
Analysis Batch: 783402

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: TCLP
Prep Batch: 782739

Analyte	Sample	Sample	Spike Added	MS		Unit	D	%Rec	%Rec Limits	
	Result	Qualifier		Result	Qualifier				Prepared	Analyzed
Antimony	0.0028	J ^2 ^1+	0.500	0.555	^1+	mg/L		110	08/22/24 08:40	75 - 125
Thallium	0.00060	J	0.100	0.108		mg/L		107	08/22/24 08:40	75 - 125

Lab Sample ID: 500-255160-1 DU
Matrix: Solid
Analysis Batch: 783402

Client Sample ID: ELG-SS-123-B07 (0-2)
Prep Type: TCLP
Prep Batch: 782739

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	0.0028	J ^2 ^1+	0.00138	J F5 ^1+	mg/L		67	20
Thallium	0.00060	J	<0.0020		mg/L		NC	20

QC Sample Results

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 500-782553/12-A
Matrix: Solid
Analysis Batch: 782773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/21/24 08:55	08/22/24 08:51	1

Lab Sample ID: LCS 500-782553/14-A
Matrix: Solid
Analysis Batch: 782773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782553

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

Lab Sample ID: LCSD 500-782553/24-A
Matrix: Solid
Analysis Batch: 782773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 782553

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00192		mg/L		96	80 - 120	5	20

Lab Sample ID: MB 500-783643/12-A
Matrix: Solid
Analysis Batch: 783851

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 09:45	1

Lab Sample ID: LCS 500-783643/14-A
Matrix: Solid
Analysis Batch: 783851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00203		mg/L		102	80 - 120

Lab Sample ID: LCSD 500-783643/27-A
Matrix: Solid
Analysis Batch: 783851

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00208		mg/L		104	80 - 120	2	20

Lab Sample ID: LB2 500-781837/1-B
Matrix: Solid
Analysis Batch: 782773

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 782553

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/21/24 08:55	08/22/24 09:40	1

Lab Sample ID: LB 500-781807/1-C
Matrix: Solid
Analysis Batch: 783851

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 783643

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/28/24 10:20	08/29/24 09:47	1

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QC Sample Results

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Method: 7470A - TCLP Mercury

Lab Sample ID: 500-255160-1 MS
 Matrix: Solid
 Analysis Batch: 783851

Client Sample ID: ELG-SS-123-B07 (0-2)
 Prep Type: TCLP
 Prep Batch: 783643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000983		mg/L		98	75 - 125

Lab Sample ID: 500-255160-1 MSD
 Matrix: Solid
 Analysis Batch: 783851

Client Sample ID: ELG-SS-123-B07 (0-2)
 Prep Type: TCLP
 Prep Batch: 783643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.00101		mg/L		101	75 - 125	3	20

Lab Sample ID: 500-255160-1 DU
 Matrix: Solid
 Analysis Batch: 783851

Client Sample ID: ELG-SS-123-B07 (0-2)
 Prep Type: TCLP
 Prep Batch: 783643

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

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-783308/12-A
 Matrix: Solid
 Analysis Batch: 783450

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 783308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0069	mg/Kg		08/26/24 17:40	08/27/24 09:27	1

Lab Sample ID: LCS 500-783308/13-A
 Matrix: Solid
 Analysis Batch: 783450

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 783308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.193		mg/Kg		116	80 - 120

Method: 9045D - pH

Lab Sample ID: 500-255160-10 DU
 Matrix: Solid
 Analysis Batch: 782728

Client Sample ID: ELG-SS-123-B01 (0-2)
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.7		8.7		SU		0.6	5

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B07 (0-2)
Date Collected: 08/15/24 09:35
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 19:43
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:23
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 16:39
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 09:55
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 16:52
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B07 (0-2)
Date Collected: 08/15/24 09:35
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-1
Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	782848	PMF	EET CHI	08/22/24 23:44
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 12:15
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:11
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783907	SJ	EET CHI	08/29/24 14:01
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:32

Client Sample ID: ELG-SS-123-B04 (0-2)
Date Collected: 08/15/24 09:50
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:08
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:41
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 16:54

Eurofins Chicago

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B04 (0-2)
Date Collected: 08/15/24 09:50
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:04
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 16:54
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B04 (0-2)
Date Collected: 08/15/24 09:50
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-2
Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	782848	PMF	EET CHI	08/23/24 00:09
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		2	782320	H7CM	EET CHI	08/20/24 18:31
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:33
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:31
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:39

Client Sample ID: ELG-SS-123-B08 (0-2)
Date Collected: 08/15/24 10:05
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:12
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:45
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 16:58
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:06
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 16:56
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Lab Chronicle

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B08 (0-2)
Date Collected: 08/15/24 10:05
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-3
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	781782	EA	EET CHI	08/16/24 16:55
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 12:40
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:37
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:35
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:41

Client Sample ID: ELG-SS-123-B05 (0-2)
Date Collected: 08/15/24 10:15
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:17
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:50
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:02
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:08
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 16:58
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B05 (0-2)
Date Collected: 08/15/24 10:15
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-4
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	781782	EA	EET CHI	08/16/24 17:19
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 13:05
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:42
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:40

Lab Chronicle

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B05 (0-2)

Lab Sample ID: 500-255160-4

Date Collected: 08/15/24 10:15

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:43

Client Sample ID: ELG-SS-123-B09 (0-2)

Lab Sample ID: 500-255160-5

Date Collected: 08/15/24 10:20

Matrix: Solid

Date Received: 08/15/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:21
TCLP	Leach	1311			781837	JL	EET CHI	08/16/24 16:40 - 08/19/24 10:40 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/24/24 00:43
TCLP	Leach	1311			781837	JL	EET CHI	08/16/24 16:40 - 08/19/24 10:40 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:44
TCLP	Leach	1311			781837	JL	EET CHI	08/16/24 16:40 - 08/19/24 10:40 ¹
TCLP	Prep	7470A			782553	MJG	EET CHI	08/21/24 08:55 - 08/21/24 10:55 ¹
TCLP	Analysis	7470A		1	782773	MJG	EET CHI	08/22/24 09:42
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:00
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B09 (0-2)

Lab Sample ID: 500-255160-5

Date Collected: 08/15/24 10:20

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	782848	PMF	EET CHI	08/23/24 00:33
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 13:55
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:54
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:44
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:45

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)
Date Collected: 08/15/24 10:25
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:25
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:54
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:06
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:10
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:02
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B06 (0-2)
Date Collected: 08/15/24 10:25
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-6
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	781782	EA	EET CHI	08/16/24 18:08
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 14:20
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 21:59
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:48
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:47

Client Sample ID: ELG-SS-123-B06 (0-2)D
Date Collected: 08/15/24 10:30
Date Received: 08/15/24 13:20

Lab Sample ID: 500-255160-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:29
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/23/24 23:59
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:21

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:12
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:03
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B06 (0-2)D

Lab Sample ID: 500-255160-7

Date Collected: 08/15/24 10:30

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	782848	PMF	EET CHI	08/23/24 00:58
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 14:45
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 22:03
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:52
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:49

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:33
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/24/24 00:04
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:25
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:19
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:06
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Lab Chronicle

Client: WSP USA Inc.
 Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B03 (0-2)

Lab Sample ID: 500-255160-8

Date Collected: 08/15/24 10:40

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	782848	PMF	EET CHI	08/23/24 01:22
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		2	782320	H7CM	EET CHI	08/20/24 18:56
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 22:07
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 14:57
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:51

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:38
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/24/24 00:17
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:29
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:21
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:08
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	781782	EA	EET CHI	08/16/24 19:21
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		1	782320	H7CM	EET CHI	08/20/24 15:11
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 22:12
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783907	SJ	EET CHI	08/29/24 15:01

Lab Chronicle

Client: WSP USA Inc.
Project/Site: IDOT - 196-002-WO 035 Elgin Sign Shop

Job ID: 500-255160-1

Client Sample ID: ELG-SS-123-B02 (0-2)

Lab Sample ID: 500-255160-9

Date Collected: 08/15/24 10:50

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:53

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			781809		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
SPLP East	Prep	3010A			782743	BDE	EET CHI	08/22/24 08:46 - 08/22/24 14:46 ¹
SPLP East	Analysis	6010D		1	782923	SJ	EET CHI	08/22/24 20:50
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6010D		1	783199	SJ	EET CHI	08/24/24 00:21
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	3010A			782739	BDE	EET CHI	08/22/24 08:40 - 08/22/24 14:40 ¹
TCLP	Analysis	6020B		1	783402	RN	EET CHI	08/26/24 17:33
TCLP	Leach	1311			781807		EET CHI	08/16/24 11:00 - 08/19/24 06:00 ¹
TCLP	Prep	7470A			783643	MJG	EET CHI	08/28/24 10:20 - 08/28/24 12:20 ¹
TCLP	Analysis	7470A		1	783851	MJG	EET CHI	08/29/24 10:23
Total/NA	Analysis	9045D		1	782728	SO	EET CHI	08/21/24 17:15
Total/NA	Analysis	Moisture		1	782978	DG	EET CHI	08/22/24 11:41

Client Sample ID: ELG-SS-123-B01 (0-2)

Lab Sample ID: 500-255160-10

Date Collected: 08/15/24 11:00

Matrix: Solid

Date Received: 08/15/24 13:20

Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			781748	WRE	EET CHI	08/15/24 17:22
Total/NA	Analysis	8260D		1	781782	EA	EET CHI	08/16/24 19:46
Total/NA	Prep	3546			782215	LH	EET CHI	08/19/24 15:09
Total/NA	Analysis	8270E		2	782320	H7CM	EET CHI	08/20/24 19:22
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		1	783800	SJ	EET CHI	08/28/24 22:16
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		5	783907	SJ	EET CHI	08/29/24 15:05
Total/NA	Prep	3050B			783628	BDE	EET CHI	08/28/24 09:11 - 08/28/24 15:11 ¹
Total/NA	Analysis	6010D		50	783907	SJ	EET CHI	08/29/24 15:10
Total/NA	Prep	7471B			783308	MJG	EET CHI	08/26/24 17:40
Total/NA	Analysis	7471B		1	783450	MJG	EET CHI	08/27/24 09:55

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 035 Elgin Sign Shop

Job ID: 500-255160-1

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	IL00035	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
7470A	7470A	Solid	Mercury
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record 733687




Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager D. Tebaw		Site Contact Tom Traylor		Date 8-15-24		COC No _____	
Company Name WSP		Tel/Email _____		Lab Contact _____		Carrier _____		____ of ____ COCs	
Address 30 N LaSalle St. #4200		Analysis Turnaround Time							
City/State/Zip Chicago IL		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone _____		<input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax _____		 500-255160 COC							
Project Name Elgin Sign Shop WSP11 W035									
Site 31403035, 8480									
PO# _____		Job / SDG No 500-255160							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
1	ELGSS-123-B07	8-15-24	0935	C	S	2			ELGSS-123-B07(0-2)
2	ELGSS-123-B04	8-15-24	0950	C	S	2			ELGSS-123-B04(0-2)
3	ELGSS-123-B08	8-15-24	1005	C	S	2			ELGSS-123-B08(0-2)
4	ELGSS-123-B05	8-15-24	1015	C	S	2			ELGSS 123-B05(0-2)
5	ELGSS-123-B09 (0-2)	8-15-24	1020	C	S	2			
6	ELGSS-123-B06 (0-2)	8-15-24	1025	C	S	2			
7	ELGSS-123-B06 (0-2) DUP	8-15-24	1030	C	S	2			
8	ELGSS-123-B03 (0-2)	8-15-24	1040	C	S	2			
9	ELGSS-123-B02 (0-2)	8-15-24	1050	C	S	2			
10	ELGSS 123-B01 (0-2)	8-15-24	1100	C	S	2			
Preservation Used. 1=Ice, 2=HCl; 3=H2SO4, 4=HNO3; 5=NaOH; 6= Other _____									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample									
<input type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
*SPLP analysis based on TCLP results									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd 5.8 Corr'd 5.5		Therm ID No _____			
Relinquished by [Signature]		Company WSP		Date/Time 8-15-24		Received by _____		Company _____	
Relinquished by _____		Company _____		Date/Time 1320		Received by _____		Company _____	
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by [Signature]		Company EETA Date/Time 08/15/24 1320	

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 500-255160-1

Login Number: 255160

List Number: 1

Creator: Scott, Sherri L

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	5.5
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

