IDOT 199-014 - HH2 - WO#036A
IL 176 (Terra Cotta Avenue) - Hickory Drive to Mistwood Lane - Crystal Lake, IL
BDE Sequence 25784 / Section No. FAP 335 23 Overlay

APPENDIX D

LPC-663 FORMS

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: IDOT 199-014 WO 36A IL 176 Terra Cotta Ave - PSI Office Phone Number, if available: 847-705-4122

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

IL 176 from Hickory Drive to Mistwood Lane, see attached documentation

City: Crystal Lake State: IL Zip Code: 60014

County: McHenry Township:

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

Latitude: 42.24814 (Decimal Degrees) Longitude: - 88.32845 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ◯ Map Interpolation ◯ Photo Interpolation ◯ Survey ✓ Other

Google Earth - Approximate center of Site

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

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

Estimated Volume of debris (cu. Yd.):

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Dept of Transportation, District 1
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Dept of Transportation, District 1
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

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

Project Name: IDOT 199-014 WO 36A IL 176 Terra Cotta Ave - PSI Latitude: 42.24814 Longitude: - 88.32845

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

Refer to Figure 4-1 in the Final PSI Report and attachment for a list of borings with stationing.

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

Refer to Tables 4-2 and 4-3 in the Final PSI Report for results summary and First Environmental Laboratories, Inc. report numbers #24-0810 and #24-0869. Site specific table of results is attached to this form.

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

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

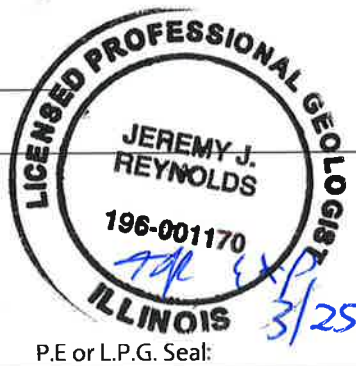
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name:	Huff & Huff, Inc. / GZA GeoEnvironmental, Inc.
Street Address:	915 Harger Road, Suite 330
City:	Oak Brook State: IL Zip Code: 60523
Phone:	630-684-9100

Jeremy J. Reynolds, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 6, 2024
Date:



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

LPC-663
Uncontaminated Soil Certification Form
Attachment (MSA + Chicago)

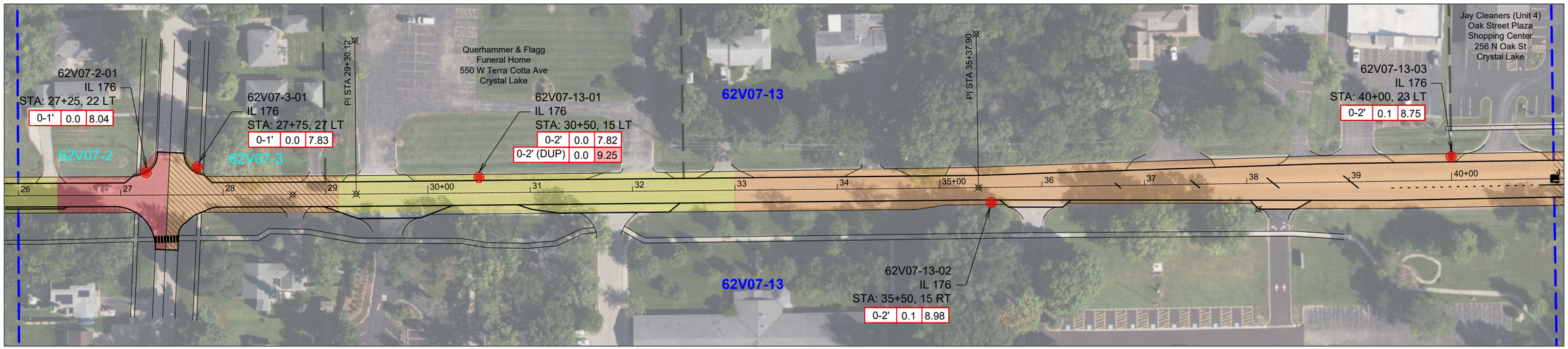
Below is a list referenced in Section I (Source Location Information) of the attached LPC-663 Uncontaminated Soil Certification Form, which requests information about Physical Site Locations (addresses, including number and street):

Excavation Site No.
62V07-1
62V07-3
62V07-4
62V07-5
62V07-8
62V07-11
62V07-13
62V07-20
62V07-21

LPC-663
Uncontaminated Soil Certification Form
Attachment (MSA + Chicago)

Below is a list referenced in Section III A (Basis for Certification and Attachments) of the attached LPC-663 Uncontaminated Soil Certification Form, which requests a description of the soil sample points and how they were determined to be sufficient in number and appropriately located:

Boring No.	Approximate Stationing
62V07-1-01	STA: IL 176 24+15, 25 Right
62V07-3-01	STA: IL 176 27+75, 27 Left
62V07-4-01	STA: IL 176 42+00, 33 Left
62V07-5-01	STA: IL 176 42+05, 34 Right
62V07-8-01	STA: IL 176 83+50, 47 Left
62V07-11-01	STA: IL 176 149+50, 25 Right
62V07-13-02	STA: IL 176 35+50, 15 Right
62V07-13-03	STA: IL 176 40+00, 23 Left
62V07-20-03	STA: IL 176 144+00, 25 Left
62V07-21-01	STA: IL 176 152+00, 24 Left
62V07-21-03	STA: IL 176 161+00, 24 Right



Legend

0 50 100 150
SCALE IN FEET

N

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

A3E CONSULTANTS

3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

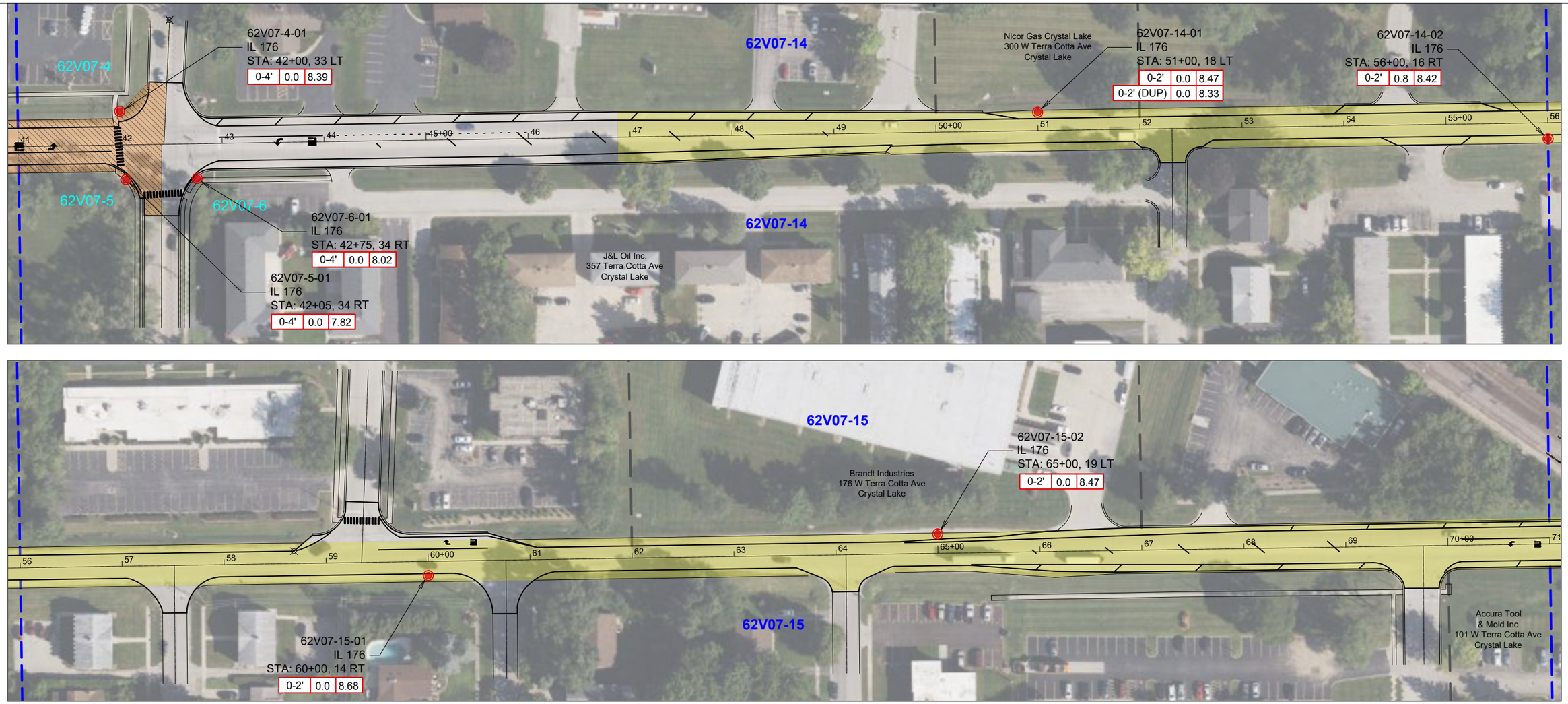
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.1
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07		
PESA: N/A	Route FAP 335	
IDOT Job No. D-91-117-19	BDE Sequence No. 25784	
City/County Crystal Lake/McHenry County		

9/16/2022 IDOT_WO#36_20240304.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

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60532
PH (630) 507-9002

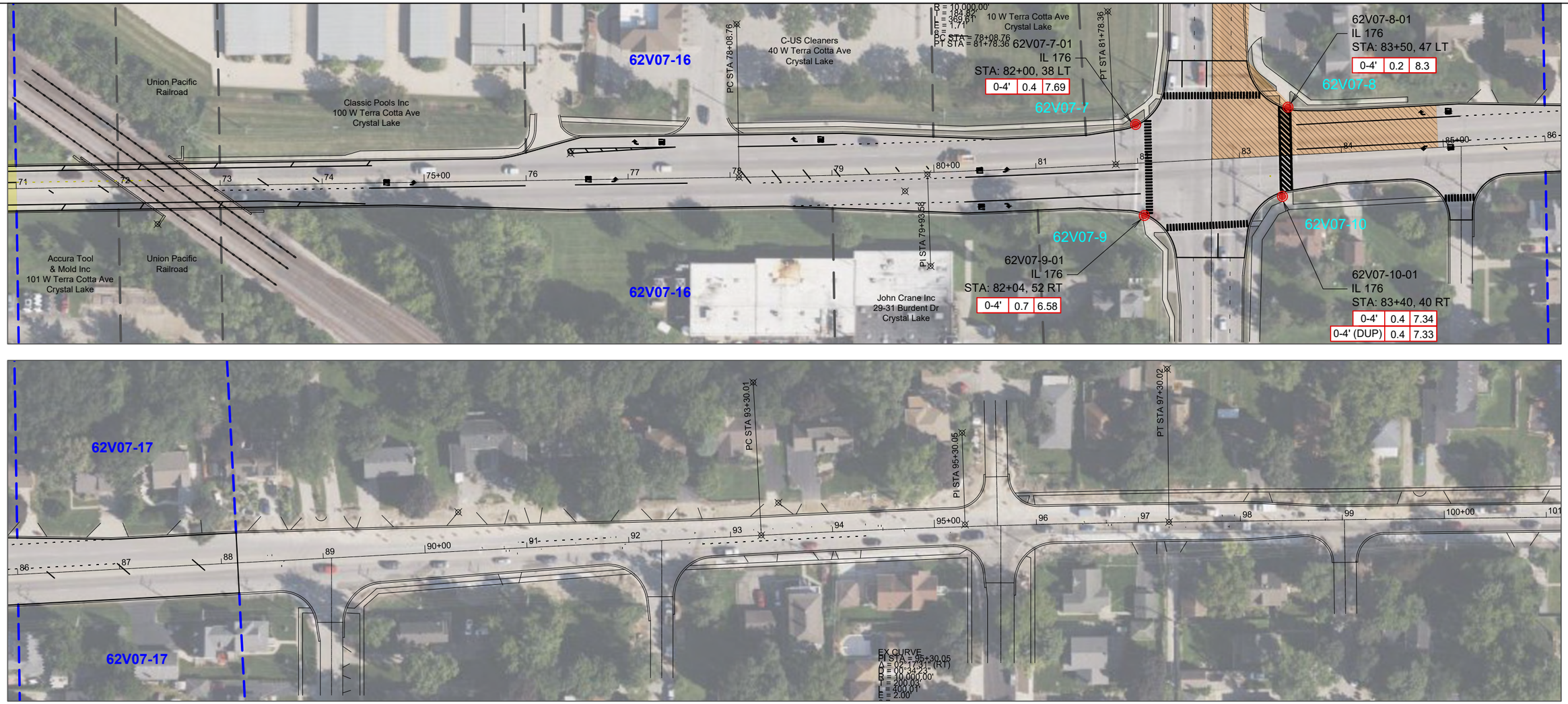
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.2
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240304.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED NL
DRAWN SCC
CHECKED NL
APPROVED
DATE 12/28/2023

A3E CONSULTANTS

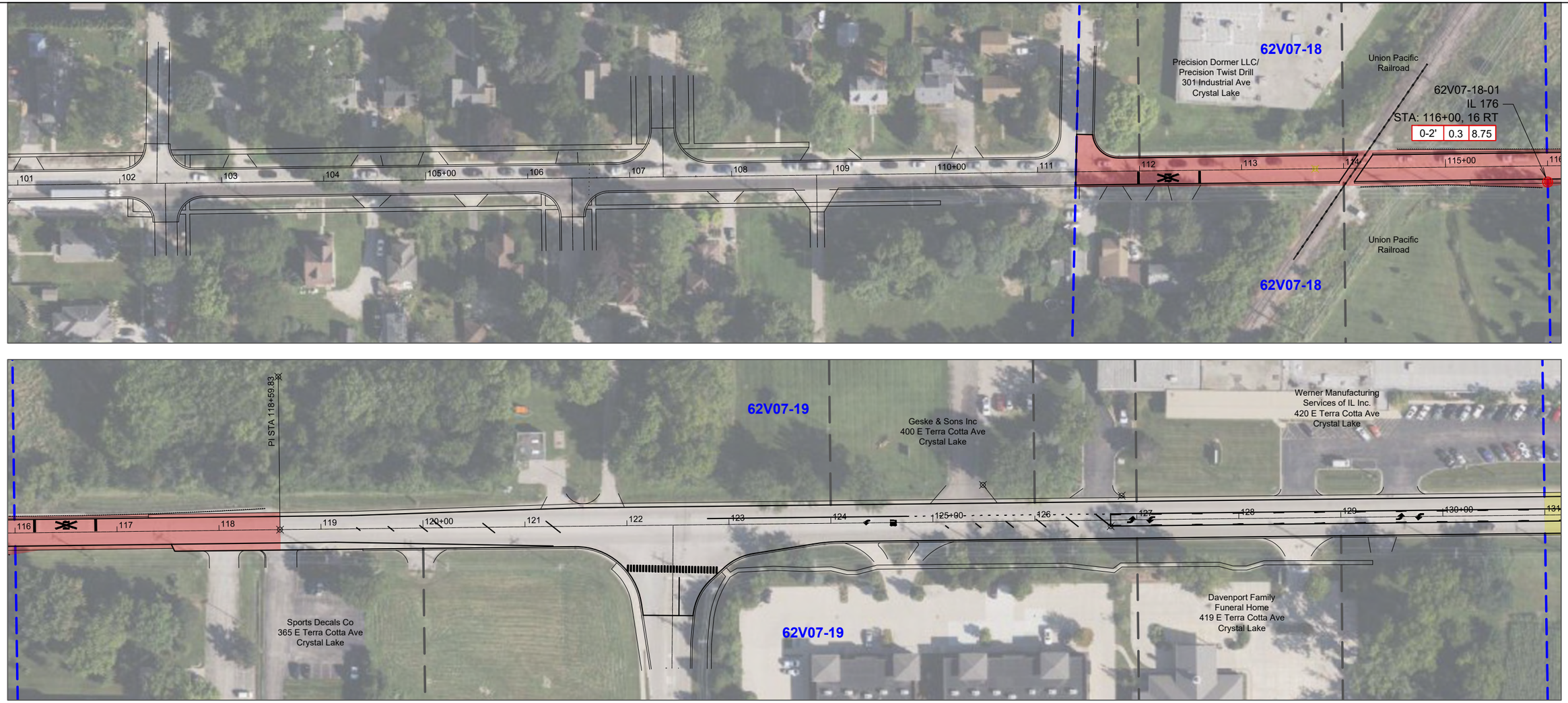
3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.3
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL
Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240305.dwg



Legend

0 50 100 150 N

SCALE IN FEET

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

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LISLE, ILLINOIS
60532
PH (630) 507-9002

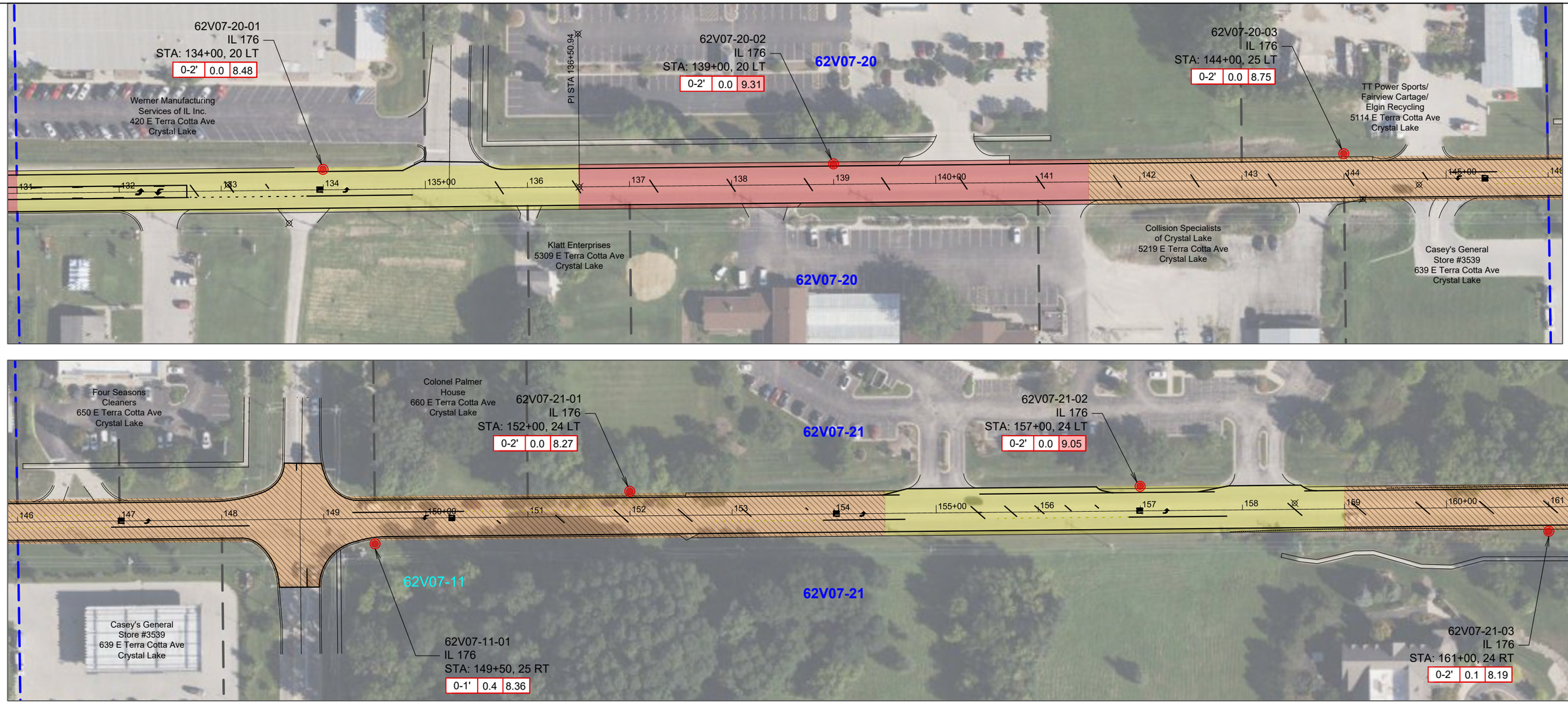
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.4
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07		
PESA: N/A	Route FAP 335	
IDOT Job No. D-91-117-19	BDE Sequence No. 25784	
City/County Crystal Lake/McHenry County		

9/16/2022 IDOT_WO#36_20240305.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth | PID | pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED NL
DRAWN SCC
CHECKED NL
APPROVED
DATE 12/28/2023

A3E CONSULTANTS

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60532
PH (630) 507-9002

PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.5
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240304.dwg

Soils for Reuse or Disposal at CCDD Facilities in MSA County Including Chgo

IL 176 (Terra Cotta Avenue)

Crystal Lake, McHenry County, Illinois

BDE Sequence No.: 25784

PTB: 199-014/HH-2, Work Order No.: 36A

Boring ID	Soil Reference Concentrations [a/]	Soil Remediation Objective for Construction Workers [b/]		Soil Remediation Objective for Residential Exposure [c/]		62V07-1-01	62V07-3-01	62V07-4-01	62V07-5-01	62V07-8-01	62V07-11-01	62V07-13-02	62V07-13-03	62V07-20-03	62V07-21-01	62V07-21-03
Sample Depth, ft						(0-1)	(0-1)	(0-4)	(0-4)	(0-4)	(0-1)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)
Sample Date						2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/5/2024	2/5/2024	2/1/2024	2/1/2024	2/5/2024	2/5/2024	2/5/2024
Excavation Area(s) ID		Ingestion Exposure Route	Inhalation Exposure Route	Ingestion Exposure Route	Inhalation Exposure Route	62V07-1	62V07-3	62V07-4	62V07-5	62V07-8	62V07-11	62V07-13		62V07-20	62V07-21	
Parameter																
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	---	---	8.52	7.83	8.39	7.82	8.30	8.36	8.98	8.75	8.75	8.27	8.19
PID Readings (ppm)						0.0	0.0	0.0	0.0	**0.2**	**0.4**	**0.1**	**0.1**	0.0	0.0	**0.1**
VOCs, mg/kg	NO EXCEEDANCES															
SVOCs, mg/kg																
Benzo(a)anthracene	0.9 / 10.9* / 1.8	170	---	0.9	---	<1.65	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	**0.391**	<0.33	<0.33
Benzo(a)pyrene	0.09 / 11.4* / 2.1	17	---	0.09	---	<0.45	**0.16**	**0.104**	**0.159**	**0.144**	**0.34**	<0.09	<0.09	**0.488**	**0.144**	**0.298**
Benzo(b)fluoranthene	0.9 / 13.1* / 2.1	170	---	0.9	---	<1.65	<0.33	<0.33	<0.33	<0.33	**0.519**	<0.33	<0.33	**0.747**	<0.33	**0.42**
Dibenz(a,h)anthracene	0.09 / 1.03* / 0.42	17	---	0.09	---	<0.45	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	**0.093**	<0.09	<0.09
Indeno(1,2,3-cd)pyrene	0.9 / 5.77* / 1.6	170	---	0.9	---	<1.65	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	**0.389**	<0.33	<0.33
Total Metals, mg/kg																
Arsenic	11.3 / 13	61	25,000	---	750	**4.1**	**5.2**	**10.4**	**5.3**	**6.8**	**4.2**	**3.0**	**4.4**	**2.6**	**4.1**	**2.9**
Beryllium	22	410	44,000	160	1,300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	5.2	200	59,000	78	1,800	**0.5**	<0.5	**1**	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	21	4100	690	230	270	**16.7**	**16.9**	**11.1**	**13.9**	**12.9**	**18.1**	**12.8**	**10.8**	**9.9**	**13.7**	**9.5**
Iron	15,000 / 15,900	---	---	---	---	**16600**	**15600**	**25800**	**14900**	**14700**	**18700**	**11900**	**11200**	**9150**	**13300**	**11300**
Lead	107	700	---	400	---	**38**	**48.7**	**66.7**	**22.1**	**18.4**	**34.9**	**89.8**	**85.7**	**40.7**	**103**	**16.6**
Manganese	630 / 636	4100	8,700	1,600	---	**584**	**446**	**578**	**610**	**467**	**341**	**296**	**521**	**301**	**400**	**416**
Nickel	100	4100	440,000	1,600	13,000	**13.5**	**13.8**	**12.9**	**14.3**	**13.3**	**15.8**	**11.7**	**11.5**	**7.9**	**12**	**9.5**
Silver	4.4	1000	---	390	---	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TCLP Metals, mg/L	Class I Groundwater [d/]															
Arsenic	0.05					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium	0.004					<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium	0.005					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	0.1					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Iron	5					<0.1	<0.1	**1.4**	<0.1	<0.1	<0.1	<0.1	**1.1**	<0.1	<0.1	<0.1
Lead	0.0075					<0.005	<0.005	**0.05**	<0.005	<0.005	<0.005	**0.028**	**0.048**	<0.005	<0.005	<0.005
Manganese	0.15					**0.64**	**0.67**	**7.3**	**0.35**	**0.27**	**0.21**	**1.28**	**9.24**	**0.83**	**0.52**	**0.55**
Nickel	0.1					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	0.05					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SPLP Metals, mg/L	Class I Groundwater [d/]															
Arsenic	0.05					**0.019**	<0.010	**0.011**	<0.010	**0.011**	<0.010	**0.015**	**0.029**	<0.010	<0.010	<0.010
Beryllium	0.004					<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium	0.005					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	0.1					**0.056**	**0.022**	**0.02**	**0.016**	**0.034**	**0.041**	**0.069**	**0.059**	**0.011**	**0.016**	<0.005
Iron	5					**58.4**	**19.2**	**17.6**	**14.7**	**36.3**	**34.8**	**54.6**	**54.5**	**7.9**	**13.1**	**3**
Lead	0.0075					**0.05**	**0.037**	**0.077**	**0.014**	**0.024**	**0.039**	**0.787**	**0.228**	**0.032**	**0.051**	<0.005
Manganese	0.15					**0.4**	**0.21**	**0.17**	**0.2**	**0.44**	**0.27**	**0.46**	**0.97**	<0.10	**0.15**	<0.10
Nickel	0.1					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver	0.05					<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

--- Refers to not applicable or value not available

[a/] Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.

Inorganic Soil Reference Concentrations (xx.xx/xx.xx) Include the Most Stringent values from MAC Table / and the MSA County Value From MAC Table as Applicable.

[b/] Soil Remediation Objectives for Construction Workers, Illinois EPA Tier 1 Soil Remedial Objectives; 35 IAC 742, Appendix B, Table B

[c/] Soil Remediation Objectives for Residential exposure, Illinois EPA Tier 1 Soil Remedial Objectives; 35 IAC 742, Appendix B, Table A

[d/] Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater

* Soil Reference Concentration based on IEPA Corrected City of Chicago Polynuclear Aromatic Hydrocarbon Background Concentrations Memorandum, Dated November 2022.

When comparing results to the Soil Remediation Objectives, IDOT compares to the most stringent of the ingestion or inhalation exposure route value.

Shaded values indicate concentration exceeds reference concentration

Bold indicates concentration detected

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	80.42		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/07/24 Preparation Date: 02/05/24				
Acenaphthene	< 1,650	330	ug/kg	
Acenaphthylene	< 1,650	330	ug/kg	
Anthracene	< 1,650	330	ug/kg	
Benzidine	< 1,650	330	ug/kg	
Benzo(a)anthracene	< 1,650	330	ug/kg	
Benzo(a)pyrene	< 450	90	ug/kg	
Benzo(b)fluoranthene	< 1,650	330	ug/kg	
Benzo(k)fluoranthene	< 1,650	330	ug/kg	
Benzo(ghi)perylene	< 1,650	330	ug/kg	
Benzoic acid	< 1,650	330	ug/kg	
Benzyl alcohol	< 1,650	330	ug/kg	
bis(2-Chloroethoxy)methane	< 1,650	330	ug/kg	
bis(2-Chloroethyl)ether	< 1,650	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 1,650	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 1,650	330	ug/kg	
4-Bromophenyl phenyl ether	< 1,650	330	ug/kg	
Butyl benzyl phthalate	< 1,650	330	ug/kg	
Carbazole	< 1,650	330	ug/kg	
4-Chloroaniline	< 1,650	330	ug/kg	
4-Chloro-3-methylphenol	< 1,650	330	ug/kg	
2-Chloronaphthalene	< 1,650	330	ug/kg	
2-Chlorophenol	< 1,650	330	ug/kg	
4-Chlorophenyl phenyl ether	< 1,650	330	ug/kg	
Chrysene	< 1,650	330	ug/kg	
Dibenzo(a,h)anthracene	< 450	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Dibenzofuran	< 1,650	330	ug/kg	
1,2-Dichlorobenzene	< 1,650	330	ug/kg	
1,3-Dichlorobenzene	< 1,650	330	ug/kg	
1,4-Dichlorobenzene	< 1,650	330	ug/kg	
3,3'-Dichlorobenzidine	< 3,300	660	ug/kg	
2,4-Dichlorophenol	< 1,650	330	ug/kg	
Diethyl phthalate	< 1,650	330	ug/kg	
2,4-Dimethylphenol	< 1,650	330	ug/kg	
Dimethyl phthalate	< 1,650	330	ug/kg	
Di-n-butyl phthalate	< 1,650	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 8,000	1600	ug/kg	
2,4-Dinitrophenol	< 8,000	1600	ug/kg	
2,4-Dinitrotoluene	< 1,250	250	ug/kg	
2,6-Dinitrotoluene	< 1,300	260	ug/kg	
Di-n-octylphthalate	< 1,650	330	ug/kg	
Fluoranthene	< 1,650	330	ug/kg	
Fluorene	< 1,650	330	ug/kg	
Hexachlorobenzene	< 1,650	330	ug/kg	
Hexachlorobutadiene	< 1,650	330	ug/kg	
Hexachlorocyclopentadiene	< 1,650	330	ug/kg	
Hexachloroethane	< 1,650	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 1,650	330	ug/kg	
Isophorone	< 1,650	330	ug/kg	
2-Methylnaphthalene	< 1,650	330	ug/kg	
2-Methylphenol	< 1,650	330	ug/kg	
3 & 4-Methylphenol	< 1,650	330	ug/kg	
Naphthalene	< 1,650	330	ug/kg	
2-Nitroaniline	< 8,000	1600	ug/kg	
3-Nitroaniline	< 8,000	1600	ug/kg	
4-Nitroaniline	< 8,000	1600	ug/kg	
Nitrobenzene	< 1,300	260	ug/kg	
2-Nitrophenol	< 8,000	1600	ug/kg	
4-Nitrophenol	< 8,000	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 450	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 1,650	330	ug/kg	
n-Nitrosodiphenylamine	< 1,650	330	ug/kg	
Pentachlorophenol	< 1,650	330	ug/kg	
Phenanthrene	< 1,650	330	ug/kg	
Phenol	< 1,650	330	ug/kg	
Pyrene	< 1,650	330	ug/kg	
Pyridine	< 1,650	330	ug/kg	
1,2,4-Trichlorobenzene	< 1,650	330	ug/kg	
2,4,5-Trichlorophenol	< 1,650	330	ug/kg	
2,4,6-Trichlorophenol	< 1,650	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	4.1	1.0	mg/kg	
Barium	90.6	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	0.5	0.5	mg/kg	
Calcium	29,100	50	mg/kg	
Chromium	16.7	0.5	mg/kg	
Cobalt	6.8	0.5	mg/kg	
Copper	17.6	0.5	mg/kg	
Iron	16,600	5.0	mg/kg	
Lead	38.0	0.5	mg/kg	
Magnesium	17,100	50	mg/kg	
Manganese	584	0.5	mg/kg	
Nickel	13.5	0.5	mg/kg	
Potassium	986	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	1,180	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	34.8	1.0	mg/kg	
Zinc	128	1.0	mg/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	8.52		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.64	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/08/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	0.019	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-1-01 (0-1)
Sample No: 24-0810-007

Date Collected: 02/01/24
Time Collected: 9:55
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.056	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.054	0.005	mg/L	
Iron	58.4	0.1	mg/L	
Lead	0.050	0.005	mg/L	
Manganese	0.40	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.2	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*		*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 97.7*		*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 98.4*		*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 107.5*		*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 91.5*		*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 83.5*		*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 61*		*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 93.5*		*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 110*	*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 74*		*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	85.23		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	160	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
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Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	5.2	1.0	mg/kg	
Barium	66.0	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	15,700	50	mg/kg	
Chromium	16.9	0.5	mg/kg	
Cobalt	6.7	0.5	mg/kg	
Copper	16.8	0.5	mg/kg	
Iron	15,600	5.0	mg/kg	
Lead	48.7	0.5	mg/kg	
Magnesium	9,680	50	mg/kg	
Manganese	446	0.5	mg/kg	
Nickel	13.8	0.5	mg/kg	
Potassium	763	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	398	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	33.0	1.0	mg/kg	
Zinc	50.4	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	7.83		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.67	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/08/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-3-01 (0-1)
Sample No: 24-0810-004

Date Collected: 02/01/24
Time Collected: 11:25
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.022	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.018	0.005	mg/L	
Iron	19.2	0.1	mg/L	
Lead	0.037	0.005	mg/L	
Manganese	0.21	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*		*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 101*		*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.3*		*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105*		*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 110*		*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 89*		*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 54*		*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 102*		*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 107*	*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 71.5*		*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	84.46		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/06/24 Preparation Date: 02/05/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	104	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/06/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/06/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	10.4	1.0	mg/kg	
Barium	47.6	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	1.0	0.5	mg/kg	
Calcium	46,500	50	mg/kg	
Chromium	11.1	0.5	mg/kg	
Cobalt	5.4	0.5	mg/kg	
Copper	18.7	0.5	mg/kg	
Iron	25,800	5.0	mg/kg	
Lead	66.7	0.5	mg/kg	
Magnesium	28,600	50	mg/kg	
Manganese	578	0.5	mg/kg	
Nickel	12.9	0.5	mg/kg	
Potassium	798	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	854	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	28.6	1.0	mg/kg	
Zinc	84.9	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	8.39		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	1.4	0.1	mg/L	
Lead	0.050	0.005	mg/L	
Manganese	7.30	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.2	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	0.011	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-4-01 (0-4)
Sample No: 24-0810-001

Date Collected: 02/01/24
Time Collected: 10:50
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.020	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.029	0.005	mg/L	
Iron	17.6	0.1	mg/L	
Lead	0.077	0.005	mg/L	
Manganese	0.17	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.3*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.6*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105.8*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 109*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 86*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 57*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 93*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 103*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 70*	*50*	*100*

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/01/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	10:15
Sample ID:	62V07-5-01 (0-4)	**Date Received:**	02/01/24
Sample No:	24-0810-009	**Date Reported:**	02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	83.99		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-5-01 (0-4)
Sample No: 24-0810-009

Date Collected: 02/01/24
Time Collected: 10:15
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/07/24 Preparation Date: 02/05/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	159	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-5-01 (0-4)
Sample No: 24-0810-009

Date Collected: 02/01/24
Time Collected: 10:15
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-5-01 (0-4)
Sample No: 24-0810-009

Date Collected: 02/01/24
Time Collected: 10:15
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	5.3	1.0	mg/kg	
Barium	88.7	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	0.5	0.5	mg/kg	
Calcium	30,400	50	mg/kg	
Chromium	13.9	0.5	mg/kg	
Cobalt	7.4	0.5	mg/kg	
Copper	15.3	0.5	mg/kg	
Iron	14,900	5.0	mg/kg	
Lead	22.1	0.5	mg/kg	
Magnesium	20,000	50	mg/kg	
Manganese	610	0.5	mg/kg	
Nickel	14.3	0.5	mg/kg	
Potassium	895	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	347	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	32.1	1.0	mg/kg	
Zinc	45.2	1.0	mg/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-5-01 (0-4)
Sample No: 24-0810-009

Date Collected: 02/01/24
Time Collected: 10:15
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	7.82		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.35	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/08/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-5-01 (0-4)
Sample No: 24-0810-009

Date Collected: 02/01/24
Time Collected: 10:15
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.016	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.013	0.005	mg/L	
Iron	14.7	0.1	mg/L	
Lead	0.014	0.005	mg/L	
Manganese	0.20	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.2*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.4*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 104.5*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 99*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 80*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 51*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 99*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 98*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 67.5*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-8-01 (0-4)
Sample No: 24-0869-008

Date Collected: 02/05/24
Time Collected: 9:50
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	83.33		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-8-01 (0-4)
Sample No: 24-0869-008

Date Collected: 02/05/24
Time Collected: 9:50
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	144	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Sample No: 24-0869-008

Date Collected: 02/05/24
Time Collected: 9:50
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-8-01 (0-4)
Sample No: 24-0869-008

Date Collected: 02/05/24
Time Collected: 9:50
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	6.8	1.0	mg/kg	
Barium	66.7	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	30,400	50	mg/kg	
Chromium	12.9	0.5	mg/kg	
Cobalt	7.3	0.5	mg/kg	
Copper	16.1	0.5	mg/kg	
Iron	14,700	5.0	mg/kg	
Lead	18.4	0.5	mg/kg	
Magnesium	16,500	50	mg/kg	
Manganese	467	0.5	mg/kg	
Nickel	13.3	0.5	mg/kg	
Potassium	860	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	819	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	26.9	1.0	mg/kg	
Zinc	44.3	1.0	mg/kg	

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/05/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	9:50
Sample ID:	62V07-8-01 (0-4)	**Date Received:**	02/05/24
Sample No:	24-0869-008	**Date Reported:**	02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	8.30		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.27	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	0.011	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-8-01 (0-4)
Sample No: 24-0869-008

Date Collected: 02/05/24
Time Collected: 9:50
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.034	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.048	0.005	mg/L	
Iron	36.3	0.1	mg/L	
Lead	0.024	0.005	mg/L	
Manganese	0.44	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*		*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.2*		*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.7*		*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 106.3*		*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 118*		*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 93*		*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 65*		*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 109*		*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 108*	*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 80.5*		*50*	*100*

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/05/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	10:20
Sample ID:	62V07-11-01 (0-1)	**Date Received:**	02/05/24
Sample No:	24-0869-001	**Date Reported:**	02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	84.28		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-11-01 (0-1)
Sample No: 24-0869-001

Date Collected: 02/05/24
Time Collected: 10:20
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/08/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	340	90	ug/kg	
Benzo(b)fluoranthene	519	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	335	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	332	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-11-01 (0-1)
Sample No: 24-0869-001

Date Collected: 02/05/24
Time Collected: 10:20
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	712	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-11-01 (0-1)
Sample No: 24-0869-001

Date Collected: 02/05/24
Time Collected: 10:20
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	432	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	4.2	1.0	mg/kg	
Barium	73.1	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	31,400	50	mg/kg	
Chromium	18.1	0.5	mg/kg	
Cobalt	6.3	0.5	mg/kg	
Copper	25.7	0.5	mg/kg	
Iron	18,700	5.0	mg/kg	
Lead	34.9	0.5	mg/kg	
Magnesium	19,100	50	mg/kg	
Manganese	341	0.5	mg/kg	
Nickel	15.8	0.5	mg/kg	
Potassium	1,210	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	1,330	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	31.5	1.0	mg/kg	
Zinc	60.9	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-11-01 (0-1)
Sample No: 24-0869-001

Date Collected: 02/05/24
Time Collected: 10:20
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	8.36		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.21	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-11-01 (0-1)
Sample No: 24-0869-001

Date Collected: 02/05/24
Time Collected: 10:20
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.041	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.040	0.005	mg/L	
Iron	34.8	0.1	mg/L	
Lead	0.039	0.005	mg/L	
Manganese	0.27	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 97.1*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 98.5*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 106.4*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 97*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 81*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 52*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 86*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 96*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 71.5*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	87.69		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/06/24 Preparation Date: 02/05/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/06/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/06/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	4.4	1.0	mg/kg	
Barium	60.9	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	32,900	50	mg/kg	
Chromium	10.8	0.5	mg/kg	
Cobalt	5.8	0.5	mg/kg	
Copper	13.6	0.5	mg/kg	
Iron	11,200	5.0	mg/kg	
Lead	85.7	0.5	mg/kg	
Magnesium	19,600	50	mg/kg	
Manganese	521	0.5	mg/kg	
Nickel	11.5	0.5	mg/kg	
Potassium	762	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	1,250	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	25.2	1.0	mg/kg	
Zinc	46.8	1.0	mg/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	8.75		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	1.1	0.1	mg/L	
Lead	0.048	0.005	mg/L	
Manganese	9.24	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	0.029	0.010	mg/L	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-03 (0-2)
Sample No: 24-0810-002

Date Collected: 02/01/24
Time Collected: 11:00
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.059	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.062	0.005	mg/L	
Iron	54.5	0.1	mg/L	
Lead	0.228	0.005	mg/L	
Manganese	0.97	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.2	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 101.4*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.4*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 107*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 113*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 83*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 55.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 94*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 93*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 67*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-02 (0-2)
Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	85.03		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-02 (0-2)
Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Sample ID: 62V07-13-02 (0-2)
Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Sample ID: 62V07-13-02 (0-2)
Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	3.0	1.0	mg/kg	
Barium	40.6	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	13,700	50	mg/kg	
Chromium	12.8	0.5	mg/kg	
Cobalt	4.6	0.5	mg/kg	
Copper	13.8	0.5	mg/kg	
Iron	11,900	5.0	mg/kg	
Lead	89.8	0.5	mg/kg	
Magnesium	8,970	50	mg/kg	
Manganese	296	0.5	mg/kg	
Nickel	11.7	0.5	mg/kg	
Potassium	972	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	1,430	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	23.0	1.0	mg/kg	
Zinc	48.7	1.0	mg/kg	

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Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	8.98		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	0.028	0.005	mg/L	
Manganese	1.28	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/08/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	0.015	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-13-02 (0-2)
Sample No: 24-0810-008

Date Collected: 02/01/24
Time Collected: 10:10
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.069	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.070	0.005	mg/L	
Iron	54.6	0.1	mg/L	
Lead	0.787	0.005	mg/L	
Manganese	0.46	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.4	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.9*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.5*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105.1*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 105.5*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 84*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 52.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 103*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 98*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 66*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	91.95		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	5.3	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/08/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	391	330	ug/kg	
Benzo(a)pyrene	488	90	ug/kg	
Benzo(b)fluoranthene	747	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	390	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	448	330	ug/kg	
Dibenzo(a,h)anthracene	93	90	ug/kg	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	775	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	389	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	594	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	2.6	1.0	mg/kg	
Barium	28.0	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	95,800	50	mg/kg	
Chromium	9.9	0.5	mg/kg	
Cobalt	3.4	0.5	mg/kg	
Copper	20.2	0.5	mg/kg	
Iron	9,150	5.0	mg/kg	
Lead	40.7	0.5	mg/kg	
Magnesium	56,900	50	mg/kg	
Manganese	301	0.5	mg/kg	
Nickel	7.9	0.5	mg/kg	
Potassium	516	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	385	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	13.5	1.0	mg/kg	
Zinc	42.3	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	8.75		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.83	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-20-03 (0-2)
Sample No: 24-0869-005

Date Collected: 02/05/24
Time Collected: 11:10
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.011	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.024	0.005	mg/L	
Iron	7.9	0.1	mg/L	
Lead	0.032	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 99.7*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 98.8*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 109.3*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 106.5*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 88*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 57.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 102*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 101*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 71*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	87.19		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	144	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	4.1	1.0	mg/kg	
Barium	56.8	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	69,000	50	mg/kg	
Chromium	13.7	0.5	mg/kg	
Cobalt	5.3	0.5	mg/kg	
Copper	19.7	0.5	mg/kg	
Iron	13,300	5.0	mg/kg	
Lead	103	0.5	mg/kg	
Magnesium	36,400	50	mg/kg	
Manganese	400	0.5	mg/kg	
Nickel	12.0	0.5	mg/kg	
Potassium	858	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	582	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	20.6	1.0	mg/kg	
Zinc	61.0	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	8.27		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.52	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-01 (0-2)
Sample No: 24-0869-004

Date Collected: 02/05/24
Time Collected: 11:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.016	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.026	0.005	mg/L	
Iron	13.1	0.1	mg/L	
Lead	0.051	0.005	mg/L	
Manganese	0.15	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*		*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 95.8*		*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 97.8*		*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 109.1*		*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 107*		*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 86*		*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 60.5*		*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 104*		*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 107*	*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 77*		*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-03 (0-2)
Sample No: 24-0869-002

Date Collected: 02/05/24
Time Collected: 10:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	89.29		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-03 (0-2)
Sample No: 24-0869-002

Date Collected: 02/05/24
Time Collected: 10:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/08/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	298	90	ug/kg	
Benzo(b)fluoranthene	420	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-03 (0-2)
Sample No: 24-0869-002

Date Collected: 02/05/24
Time Collected: 10:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	448	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-03 (0-2)
Sample No: 24-0869-002

Date Collected: 02/05/24
Time Collected: 10:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	348	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	2.9	1.0	mg/kg	
Barium	56.7	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	75,000	50	mg/kg	
Chromium	9.5	0.5	mg/kg	
Cobalt	5.0	0.5	mg/kg	
Copper	14.9	0.5	mg/kg	
Iron	11,300	5.0	mg/kg	
Lead	16.6	0.5	mg/kg	
Magnesium	48,100	50	mg/kg	
Manganese	416	0.5	mg/kg	
Nickel	9.5	0.5	mg/kg	
Potassium	879	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	508	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	21.7	1.0	mg/kg	
Zinc	36.8	1.0	mg/kg	

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/05/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	10:35
Sample ID:	62V07-21-03 (0-2)	**Date Received:**	02/05/24
Sample No:	24-0869-002	**Date Reported:**	02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	8.19		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	0.55	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-21-03 (0-2)
Sample No: 24-0869-002

Date Collected: 02/05/24
Time Collected: 10:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.006	0.005	mg/L	
Iron	3.0	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 97.2*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 97.5*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 110*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 99*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 84*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 57*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 101*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 100*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 72*	*50*	*100*

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: IDOT 199-014 WO 36A IL 176 Terra Cotta Ave - PSI Office Phone Number, if available: 847-705-4122

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

IL 176 from Hickory Drive to Mistwood Lane, see attached documentation

City: Crystal Lake State: IL Zip Code: 60014

County: McHenry Township:

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

Latitude: 42.24814 (Decimal Degrees) Longitude: - 88.32845 (-Decimal Degrees)

Identify how the lat/long data were determined:

◯ GPS ◯ Map Interpolation ◯ Photo Interpolation ◯ Survey ⊘ Other

Google Earth - Approximate center of Site

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

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

Estimated Volume of debris (cu. Yd.):

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Dept of Transportation, District 1
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Dept of Transportation, District 1
Street Address: 201 W. Center Court
PO Box:
City: Schaumburg State: IL
Zip Code: 60196 Phone: 847-705-4122
Contact: Irma Romiti-Johnson
Email, if available: Irma.Romiti-Johnson@illinois.gov

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

Project Name: IDOT 199-014 WO 36A IL 176 Terra Cotta Ave - PSI Latitude: 42.24814 Longitude: - 88.32845

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

Refer to Figure 4-1 in the Final PSI Report and attachment for a list of borings with stationing.

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

Refer to Tables 4-2 and 4-3 in the Final PSI Report for results summary and First Environmental Laboratories, Inc. report numbers #24-0810 and #24-0869. Site specific table of results is attached to this form.

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

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

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

Company Name:	Huff & Huff, Inc. / GZA GeoEnvironmental, Inc.
Street Address:	915 Harger Road, Suite 330
City:	Oak Brook State: IL Zip Code: 60523
Phone:	630-684-9100

Jeremy J. Reynolds, P.G.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Mar 6, 2024
Date:

LICENSED PROFESSIONAL GEOLOGIST
JEREMY J. REYNOLDS
196-001170
ILLINOIS

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

LPC-663
Uncontaminated Soil Certification Form
Attachment

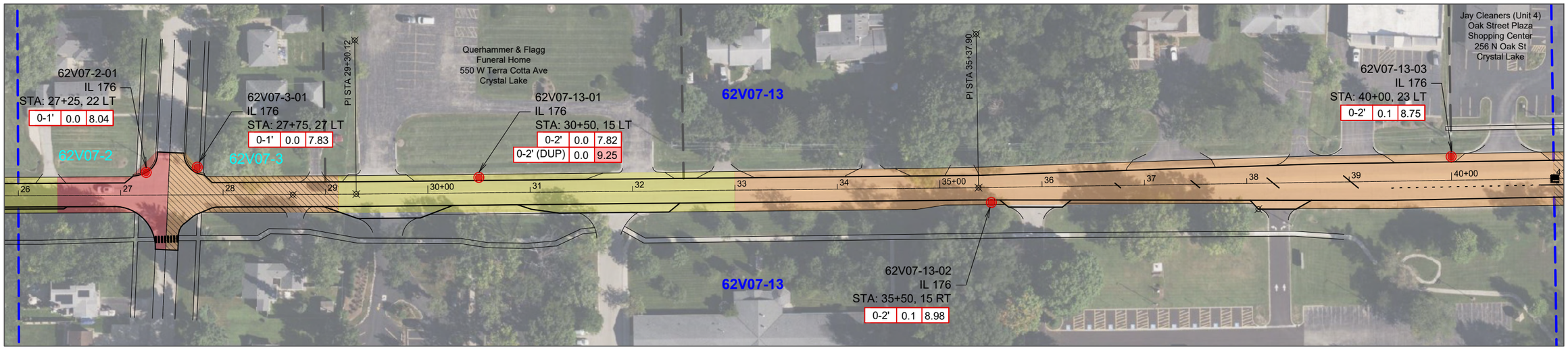
Below is a list referenced in Section I (Source Location Information) of the attached LPC-663 Uncontaminated Soil Certification Form, which requests information about Physical Site Locations (addresses, including number and street):

ISGS Site No.
62V07-6
62V07-7
62V07-9
62V07-10

LPC-663
Uncontaminated Soil Certification Form
Attachment

Below is a list referenced in Section III A (Basis for Certification and Attachments) of the attached LPC-663 Uncontaminated Soil Certification Form, which requests a description of the soil sample points and how they were determined to be sufficient in number and appropriately located:

ISGS Boring No.	Approximate Stationing
62V07-6-01	STA: IL 176 42+75, 34 Right
62V07-7-01	STA: IL 176 82+00, 38 Left
62V07-9-01	STA: IL 176 82+04, 52 Right
62V07-10-01	STA: IL 176 83+40, 40 Right
62V07-6-DUP-02	STA: IL 176 83+40, 40 Right



Legend

0 50 100 150
SCALE IN FEET

N

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

A3E CONSULTANTS

3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

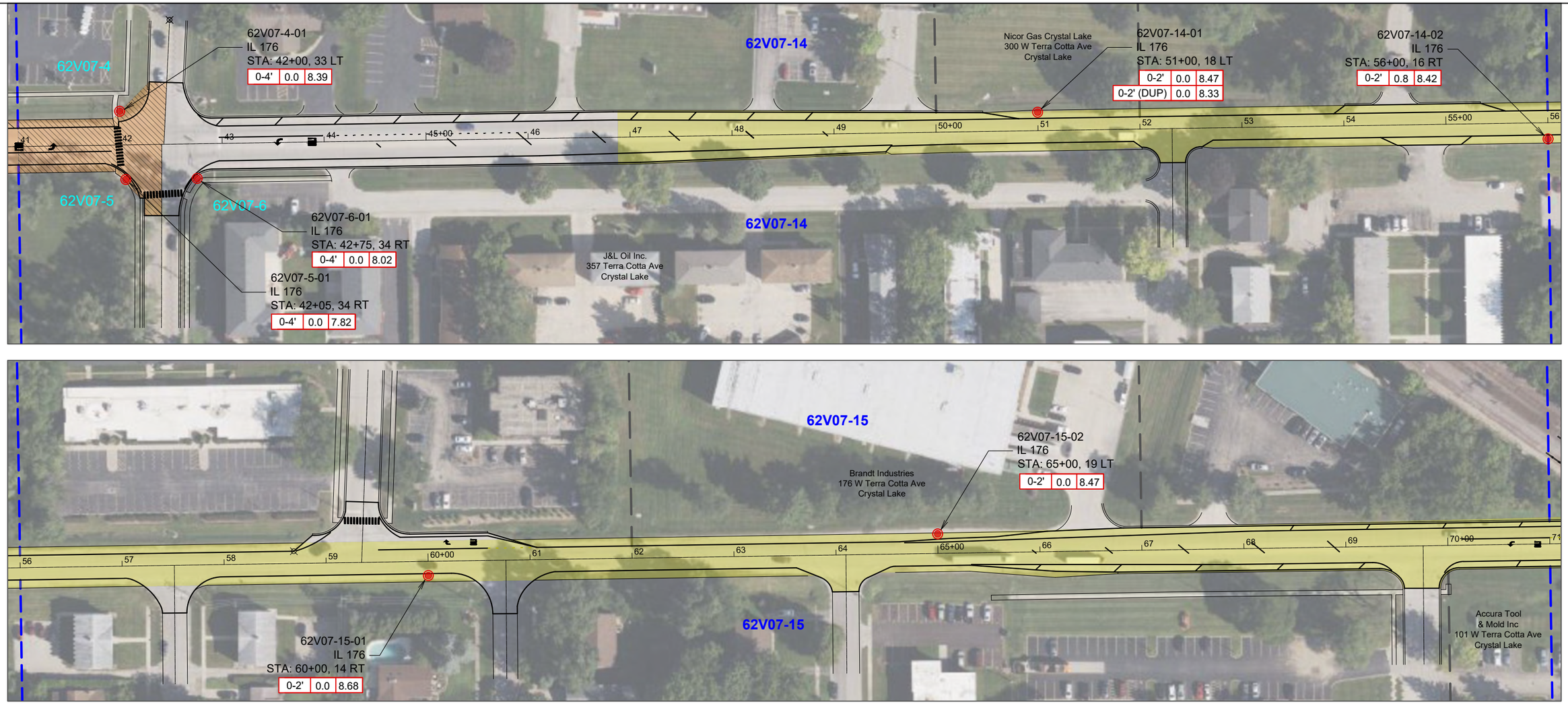
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.1
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07		
PESA: N/A	Route FAP 335	
IDOT Job No. D-91-117-19	BDE Sequence No. 25784	
City/County Crystal Lake/McHenry County		

9/16/2022 IDOT_WO#36_20240304.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

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LISLE, ILLINOIS
60532
PH (630) 507-9002

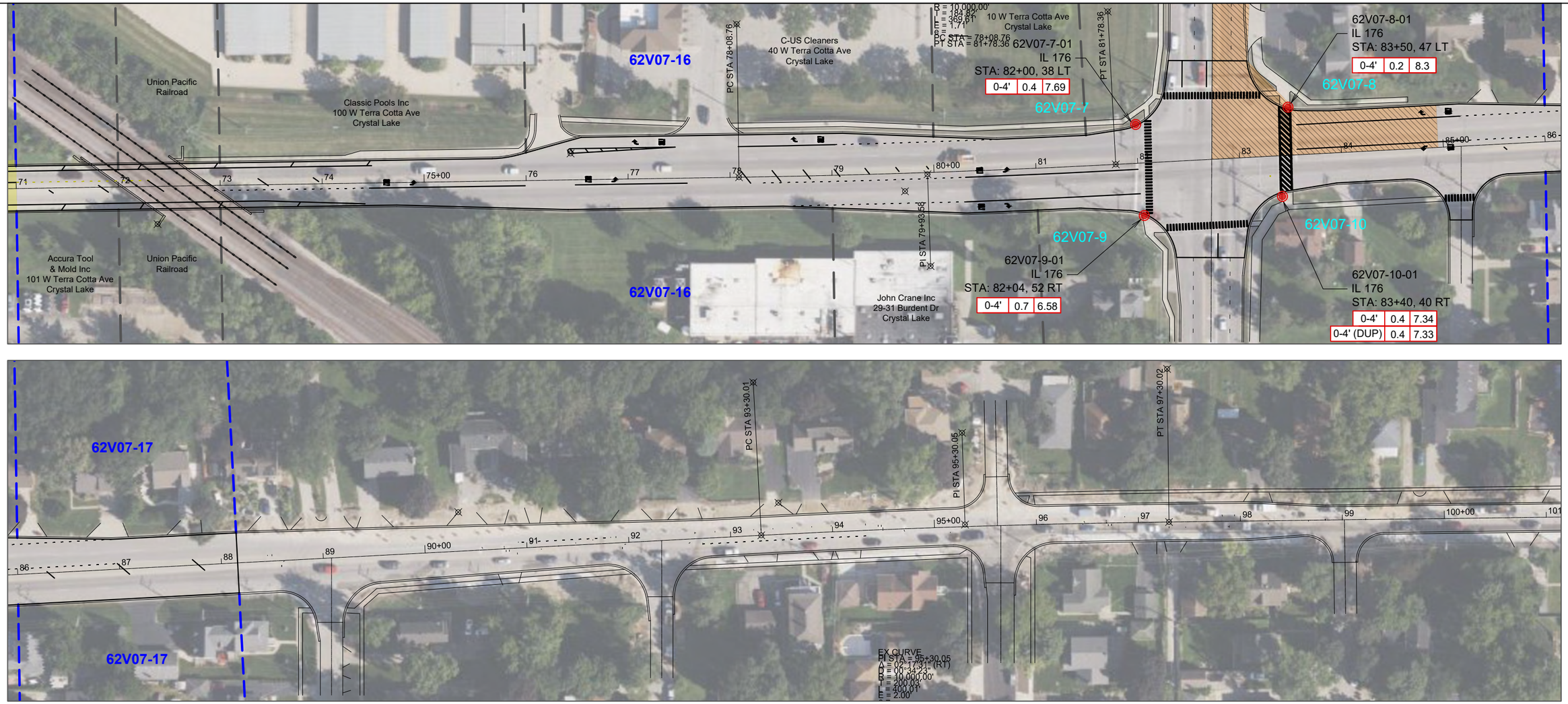
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.2
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240304.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED NL
DRAWN SCC
CHECKED NL
APPROVED
DATE 12/28/2023

A3E CONSULTANTS

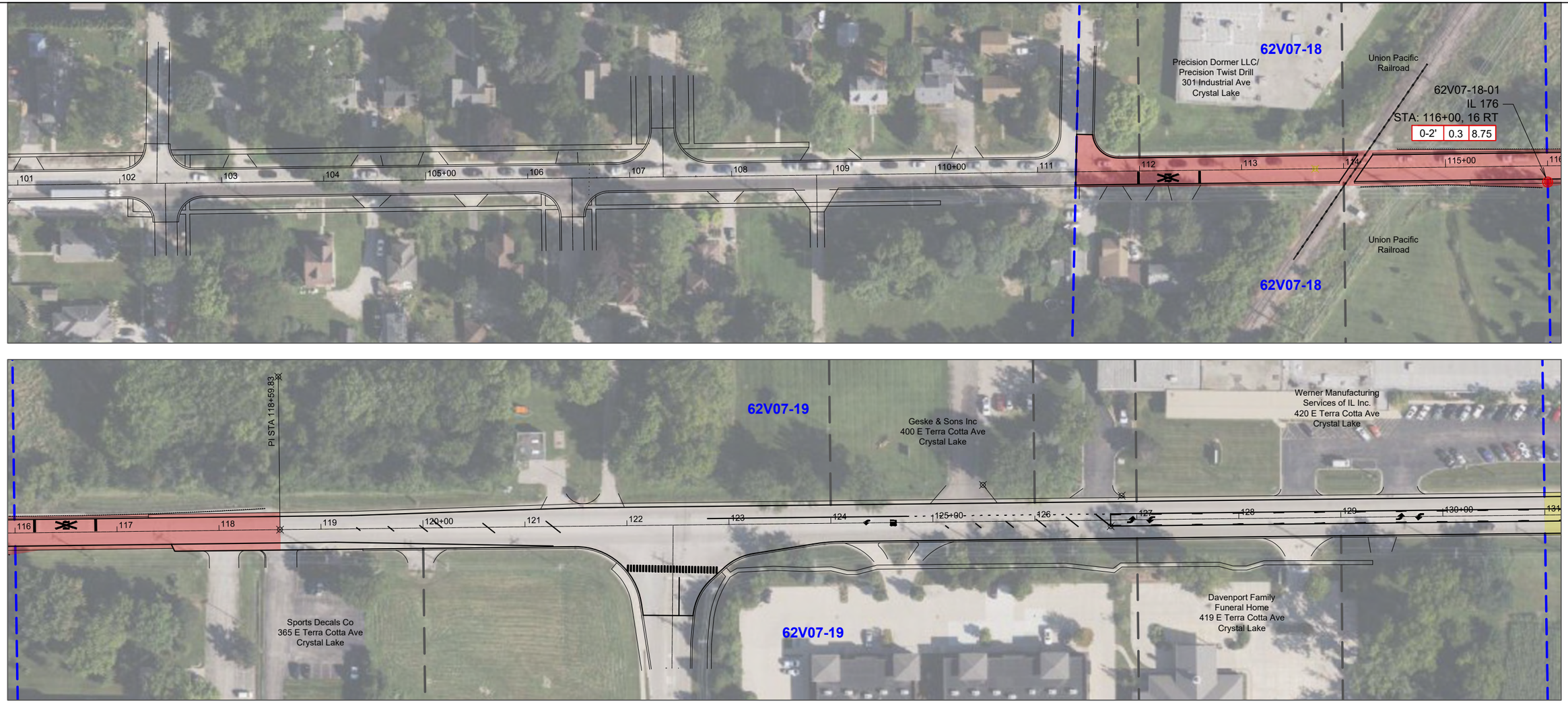
3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.3
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL
Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240305.dwg



Legend

0 50 100 150 N

SCALE IN FEET

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth	PID	pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED	NL
DRAWN	SCC
CHECKED	NL
APPROVED	
DATE	12/28/2023

A3E CONSULTANTS

3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

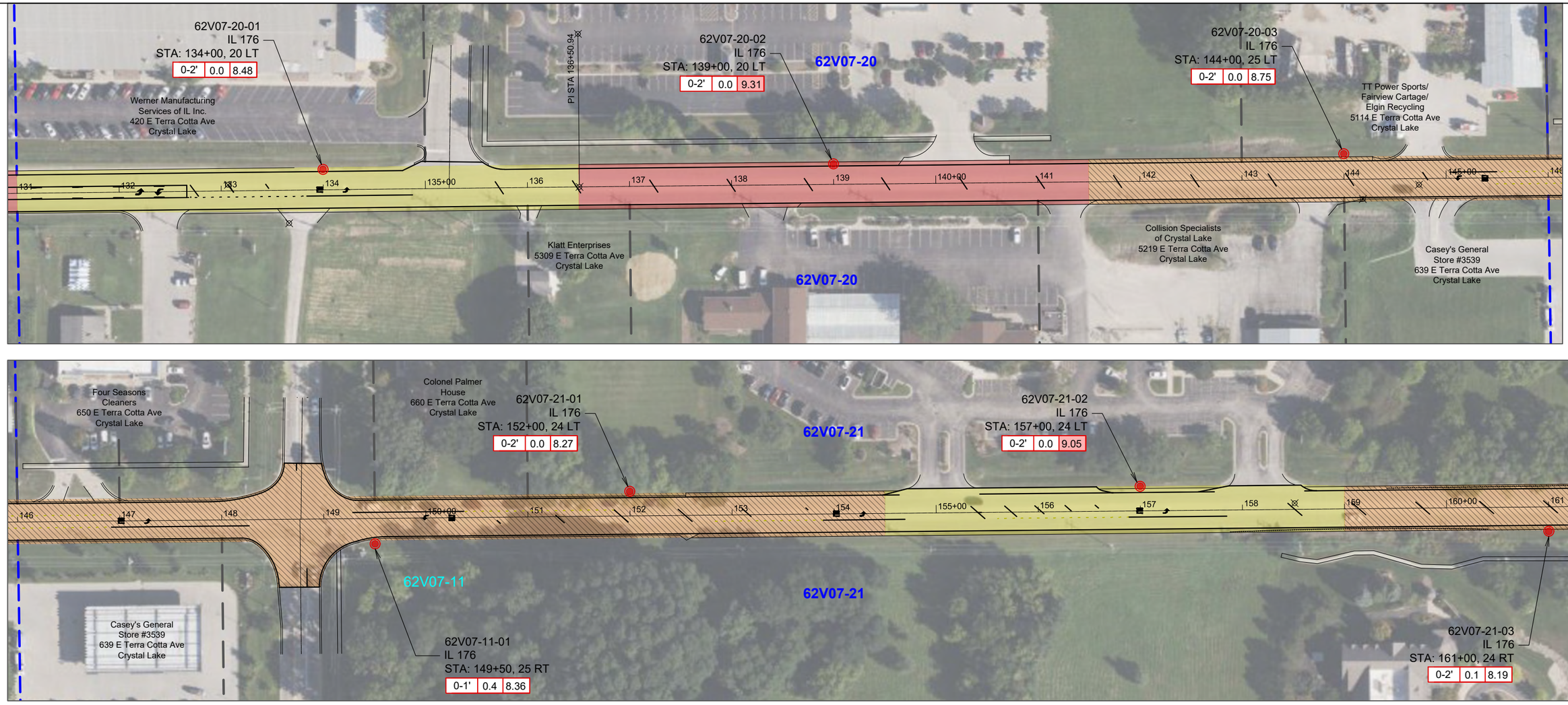
PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.4
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07		
PESA: N/A	Route FAP 335	
IDOT Job No. D-91-117-19	BDE Sequence No. 25784	
City/County Crystal Lake/McHenry County		

9/16/2022 IDOT_WO#36_20240305.dwg



Legend

- Soil Boring Location
- Excavation Site Boundary
- REC Site Boundary

PID | pH — PID Exceeds background value or pH outside acceptable range for CCDD disposal

Depth | PID | pH

- 669.05(a)(1)
- 669.05(a)(2)
- 669.05(a)(3)
- 669.05(a)(4)
- 669.05(a)(5)
- 669.05(a)(6)
- 669.05(b)(1)
- 669.05(b)(2)
- 669.05(c)
- 669.05(d)
- WORK ZONE

0 50 100 150
SCALE IN FEET

N

Location Legend

Notes:

1. Additional detail and information regarding regulated substances management and disposal classifications can be found in the Standard Specifications for Road and Bridge Construction (SSRBC) Section 669.05.
2. This figure relies on color code depictions for soil management. Please contact the DESU or AE for assistance.

DESIGNED NL
DRAWN SCC
CHECKED NL
APPROVED
DATE 12/28/2023

A3E CONSULTANTS

3030 WARRENVILLE RD
LISLE, ILLINOIS
60532
PH (630) 507-9002

PTB 199-014 / H&H-2
WO #036A

FIGURE 4-1.5
Regulated Substances Management Area

Location: IL-176 (Terra Cotta Ave), Crystal Lake, McHenry, IL

Contract No: 62V07
PESA: N/A | Route FAP 335
IDOT Job No. D-91-117-19 | BDE Sequence No. 25784
City/County Crystal Lake/McHenry County

9/16/2022 IDOT_WO#36_20240304.dwg

Soils for Unrestricted Reuse or Disposal at CCDD Facilities
IL 176 (Terra Cotta Avenue)
Crystal Lake, McHenry County, Illinois
BDE Sequence No.: 25784
PTB: 199-014/HH-2, Work Order No.: 36A

Boring ID	Soil Reference Concentrations [a/]	Soil Remediation Objective for Construction Workers [b/]		Soil Remediation Objective for Residential Exposure [c/]		62V07-6-01	62V07-7-01	62V07-9-01	62V07-10-01	62V07-DUP-02 (62V07-10-01)
Sample Depth, ft						(0-4)	(0-4)	(0-4)	(0-4)	(0-4)
Sample Date						2/1/2024	2/5/2024	2/5/2024	2/5/2024	2/5/2024
Excavation Area(s) ID		Ingestion Exposure Route	Inhalation Exposure Route	Ingestion Exposure Route	Inhalation Exposure Route	62V07-6	62V07-7	62V07-9	62V07-10	
Parameter										
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	---	---	8.02	7.69	6.58	7.34	7.33
PID Readings (ppm)						0.0	**0.4**	**0.7**	**0.4**	**0.4**
VOCs, mg/kg	NO EXCEEDANCES									
SVOCs, mg/kg										
Benzo(a)anthracene	0.9 / 10.9* / 1.8	170	---	0.9	---	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.09 / 11.4*/ 2.1	17	---	0.09	---	<0.09	<0.09	<0.09	<0.09	<0.09
Benzo(b)fluoranthene	0.9 / 13.1* / 2.1	170	---	0.9	---	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenz(a,h)anthracene	0.09 / 1.03* / 0.42	17	---	0.09	---	<0.09	<0.09	<0.09	<0.09	<0.09
Indeno(1,2,3-cd)pyrene	0.9 / 5.77* / 1.6	170	---	0.9	---	<0.33	<0.33	<0.33	<0.33	<0.33
Total Metals, mg/kg										
Arsenic	11.3 / 13	61	25,000	---	750	**5.6**	**7.4**	**5.9**	**5.8**	**4.5**
Beryllium	22	410	44,000	160	1,300	<0.5	**0.6**	<0.5	**0.5**	<0.5
Cadmium	5.2	200	59,000	78	1,800	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	21	4100	690	230	270	**10.7**	**19**	**17.3**	**16.3**	**12.4**
Iron	15,000 / 15,900	---	---	---	---	**13900**	**21600**	**18000**	**17700**	**14000**
Lead	107	700	---	400	---	**13.6**	**12.3**	**10**	**10**	**7.9**
Manganese	630 / 636	4100	8,700	1,600	---	**592**	**701**	**523**	**620**	**522**
Nickel	100	4100	440,000	1,600	13,000	**12.1**	**18.6**	**19**	**15.7**	**14**
Silver	4.4	1000	---	390	---	<0.2	<0.2	<0.2	<0.2	<0.2
TCLP Metals, mg/L	Class I Groundwater [d/]									
Arsenic	0.05					<0.010	<0.010	<0.010	<0.010	<0.010
Beryllium	0.004					<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium	0.005					<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	0.1					<0.005	<0.005	<0.005	<0.005	<0.005
Iron	5					<0.1	<0.1	<0.1	<0.1	<0.1
Lead	0.0075					<0.005	<0.005	<0.005	<0.005	<0.005
Manganese	0.15					**1.09**	<0.10	<0.10	<0.10	<0.10
Nickel	0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Silver	0.05					<0.005	<0.005	<0.005	<0.005	<0.005
SPLP Metals, mg/L	Class I Groundwater [d/]									
Arsenic	0.05					<0.010	<0.010	<0.010	**0.013**	**0.011**
Beryllium	0.004					<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium	0.005					<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	0.1					<0.005	**0.034**	**0.021**	**0.047**	**0.04**
Iron	5					**3.9**	**34**	**22.8**	**48.3**	**41.2**
Lead	0.0075					<0.005	**0.008**	**0.005**	**0.019**	**0.012**
Manganese	0.15					<0.10	**0.47**	**0.34**	**0.97**	**0.62**
Nickel	0.1					<0.1	<0.1	<0.1	<0.1	<0.1
Silver	0.05					<0.005	<0.005	<0.005	<0.005	<0.005

--- Refers to not applicable or value not available

[a/] Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.

Inorganic Soil Reference Concentrations (xx.xx/xx.xx) Include the Most Stringent values from MAC Table / and the MSA County Value From MAC Table as Applicable.

[b/] Soil Remediation Objectives for Construction Workers, Illinois EPA Tier 1 Soil Remedial Objectives; 35 IAC 742, Appendix B, Table B

[c/] Soil Remediation Objectives for Residential exposure, Illinois EPA Tier 1 Soil Remedial Objectives; 35 IAC 742, Appendix B, Table A

[d/] Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater

* Soil Reference Concentration based on IEPA Corrected City of Chicago Polynuclear Aromatic Hydrocarbon Background Concentrations Memorandum, Dated November 2022.

When comparing results to the Soil Remediation Objectives, IDOT compares to the most stringent of the ingestion or inhalation exposure route value.

Shaded values indicate concentration exceeds reference concentration

Bold indicates concentration detected

First Environmental Laboratories, Inc

IL ELAP / NELAC Certification # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • FirstEnv.com

Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/02/24				
Total Solids	88.69		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

First Environmental Laboratories, Inc

IL ELAP / NELAC Certification # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • FirstEnv.com

Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/06/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/07/24 Preparation Date: 02/05/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/05/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/15/24		Preparation Date: 02/06/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	5.6	1.0	mg/kg	
Barium	54.1	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	48,700	50	mg/kg	
Chromium	10.7	0.5	mg/kg	
Cobalt	5.5	0.5	mg/kg	
Copper	15.4	0.5	mg/kg	
Iron	13,900	5.0	mg/kg	
Lead	13.6	0.5	mg/kg	
Magnesium	29,300	50	mg/kg	
Manganese	592	0.5	mg/kg	
Nickel	12.1	0.5	mg/kg	
Potassium	704	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	174	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	25.6	1.0	mg/kg	
Zinc	45.6	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/06/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/06/24 9:30				
pH @ 25°C, 1:2	8.02		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/05/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/06/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	1.09	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/08/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/05/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-6-01 (0-4)
Sample No: 24-0810-010

Date Collected: 02/01/24
Time Collected: 10:30
Date Received: 02/01/24
Date Reported: 02/16/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/14/24		Preparation Date: 02/07/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.005	0.005	mg/L	
Iron	3.9	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/07/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 111.4*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 98.7*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 102.8*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 99*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 79*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 50*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 101*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 94*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 67*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-7-01 (0-4)
Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	81.08		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-7-01 (0-4)
Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/07/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Sample ID: 62V07-7-01 (0-4)
Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-7-01 (0-4)
Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	7.4	1.0	mg/kg	
Barium	115	0.5	mg/kg	
Beryllium	0.6	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	2,180	50	mg/kg	
Chromium	19.0	0.5	mg/kg	
Cobalt	10.7	0.5	mg/kg	
Copper	15.7	0.5	mg/kg	
Iron	21,600	5.0	mg/kg	
Lead	12.3	0.5	mg/kg	
Magnesium	3,620	50	mg/kg	
Manganese	701	0.5	mg/kg	
Nickel	18.6	0.5	mg/kg	
Potassium	1,390	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	634	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	36.3	1.0	mg/kg	
Zinc	44.0	1.0	mg/kg	

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Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	7.69		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-7-01 (0-4)
Sample No: 24-0869-009

Date Collected: 02/05/24
Time Collected: 9:45
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.034	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.034	0.005	mg/L	
Iron	34.0	0.1	mg/L	
Lead	0.008	0.005	mg/L	
Manganese	0.47	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 101.8*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.6*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105.6*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 112*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 79*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 78*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 101*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 83*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 80.5*	*50*	*100*

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IL ELAP / NELAC Certification # 100292

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/05/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	9:35
Sample ID:	62V07-9-01 (0-4)	**Date Received:**	02/05/24
Sample No:	24-0869-014	**Date Reported:**	02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	82.58		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-9-01 (0-4)
Sample No: 24-0869-014

Date Collected: 02/05/24
Time Collected: 9:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/07/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-9-01 (0-4)
Sample No: 24-0869-014

Date Collected: 02/05/24
Time Collected: 9:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-9-01 (0-4)
Sample No: 24-0869-014

Date Collected: 02/05/24
Time Collected: 9:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/07/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	5.9	1.0	mg/kg	
Barium	102	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	1,630	50	mg/kg	
Chromium	17.3	0.5	mg/kg	
Cobalt	7.6	0.5	mg/kg	
Copper	15.9	0.5	mg/kg	
Iron	18,000	5.0	mg/kg	
Lead	10.0	0.5	mg/kg	
Magnesium	3,040	50	mg/kg	
Manganese	523	0.5	mg/kg	
Nickel	19.0	0.5	mg/kg	
Potassium	922	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	65	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	31.2	1.0	mg/kg	
Zinc	38.4	1.0	mg/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-9-01 (0-4)
Sample No: 24-0869-014

Date Collected: 02/05/24
Time Collected: 9:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	6.58		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	< 0.010	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-9-01 (0-4)
Sample No: 24-0869-014

Date Collected: 02/05/24
Time Collected: 9:35
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.021	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.019	0.005	mg/L	
Iron	22.8	0.1	mg/L	
Lead	0.005	0.005	mg/L	
Manganese	0.34	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.1*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.5*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105.7*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 106*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 79*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 77.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 96*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 82*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 81*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-10-01 (0-4)
Sample No: 24-0869-015

Date Collected: 02/05/24
Time Collected: 10:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	80.47		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-10-01 (0-4)
Sample No: 24-0869-015

Date Collected: 02/05/24
Time Collected: 10:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C**				
Analysis Date: 02/08/24 Preparation Date: 02/06/24				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-10-01 (0-4)
Sample No: 24-0869-015

Date Collected: 02/05/24
Time Collected: 10:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-10-01 (0-4)
Sample No: 24-0869-015

Date Collected: 02/05/24
Time Collected: 10:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/08/24		Preparation Date: 02/06/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	5.8	1.0	mg/kg	
Barium	111	0.5	mg/kg	
Beryllium	0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	1,950	50	mg/kg	
Chromium	16.3	0.5	mg/kg	
Cobalt	8.8	0.5	mg/kg	
Copper	13.5	0.5	mg/kg	
Iron	17,700	5.0	mg/kg	
Lead	10.0	0.5	mg/kg	
Magnesium	2,820	50	mg/kg	
Manganese	620	0.5	mg/kg	
Nickel	15.7	0.5	mg/kg	
Potassium	917	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	77	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	31.2	1.0	mg/kg	
Zinc	38.0	1.0	mg/kg	

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Analytical Report

Client:	HUFF & HUFF INC.	**Date Collected:**	02/05/24
Project ID:	81.0220714.66, IDOT WO36A	**Time Collected:**	10:00
Sample ID:	62V07-10-01 (0-4)	**Date Received:**	02/05/24
Sample No:	24-0869-015	**Date Reported:**	02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	7.34		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	0.013	0.010	mg/L	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-10-01 (0-4)
Sample No: 24-0869-015

Date Collected: 02/05/24
Time Collected: 10:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.047	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.041	0.005	mg/L	
Iron	48.3	0.1	mg/L	
Lead	0.019	0.005	mg/L	
Manganese	0.97	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 101.2*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.9*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 105.2*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 97.5*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 73*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 52.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 99*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 93*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 64.5*	*50*	*100*

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 02/06/24				
Total Solids	82.54		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 02/07/24				
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/09/24		Preparation Date: 02/07/24		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/09/24		Preparation Date: 02/07/24		
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	

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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 02/09/24		Preparation Date: 02/07/24		
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Total Metals **Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Antimony	< 1.0	1.0	mg/kg	
Arsenic	4.5	1.0	mg/kg	
Barium	79.7	0.5	mg/kg	
Beryllium	< 0.5	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Calcium	1,360	50	mg/kg	
Chromium	12.4	0.5	mg/kg	
Cobalt	7.2	0.5	mg/kg	
Copper	10.4	0.5	mg/kg	
Iron	14,000	5.0	mg/kg	
Lead	7.9	0.5	mg/kg	
Magnesium	2,140	50	mg/kg	
Manganese	522	0.5	mg/kg	
Nickel	14.0	0.5	mg/kg	
Potassium	680	50	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	< 0.2	0.2	mg/kg	
Sodium	59	50	mg/kg	
Thallium	< 1.0	1.0	mg/kg	
Vanadium	24.8	1.0	mg/kg	
Zinc	28.7	1.0	mg/kg	

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Analytical Report

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Total Mercury **Method: 7471B**				
Analysis Date: 02/08/24				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2 **Method: 9045D**				
Analysis Date: 02/07/24 9:30				
pH @ 25°C, 1:2	7.33		Units	
TCLP Extraction **Method: 1311**				
Analysis Date: 02/07/24				
TCLP Extraction	Complete			
TCLP Metals Method 1311 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/13/24		
Arsenic	< 0.010	0.010	mg/L	
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	< 0.005	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	< 0.1	0.1	mg/L	
Iron	< 0.1	0.1	mg/L	
Lead	< 0.005	0.005	mg/L	
Manganese	< 0.10	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
TCLP Mercury Method 1311 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	
SPLP Extraction **Method: 1312**				
Analysis Date: 02/07/24				
SPLP Metals Extraction	Complete			
Arsenic	0.011	0.010	mg/L	

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Project ID: 81.0220714.66, IDOT WO36A
Sample ID: 62V07-DUP-02
Sample No: 24-0869-017

Date Collected: 02/05/24
Time Collected: 8:00
Date Received: 02/05/24
Date Reported: 02/19/24

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
SPLP Metals Method 1312 **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 02/19/24		Preparation Date: 02/14/24		
Barium	< 1.0	1.0	mg/L	
Beryllium	< 0.004	0.004	mg/L	
Cadmium	< 0.005	0.005	mg/L	
Chromium	0.040	0.005	mg/L	
Cobalt	< 0.1	0.1	mg/L	
Copper	0.033	0.005	mg/L	
Iron	41.2	0.1	mg/L	
Lead	0.012	0.005	mg/L	
Manganese	0.62	0.10	mg/L	
Nickel	< 0.1	0.1	mg/L	
Selenium	< 0.010	0.010	mg/L	
Silver	< 0.005	0.005	mg/L	
Zinc	< 0.1	0.1	mg/L	
SPLP Mercury Method 1312 **Method: 7470A**				
Analysis Date: 02/09/24				
Mercury	< 0.0005	0.0005	mg/L	

Sample QC Summary: ***Surrogate Recovery***

Method	*Analyte*	*QC Result*	*%R Limits Low*	*High*
5035A/8260B	*4-Bromofluorobenzene (Surr)*	*%R: 100.8*	*86*	*117*
5035A/8260B	*d8-Toluene (Surr)*	*%R: 99.1*	*90*	*110*
5035A/8260B	*Dibromofluoromethane (Surr)*	*%R: 106.3*	*77*	*120*
8270C	*2,4,6-Tribromophenol (Surr)*	*%R: 105.5*	*59*	*131*
8270C	*2-Fluorobiphenyl (Surr)*	*%R: 79*	*45*	*112*
8270C	*2-Fluorophenol (Surr)*	*%R: 54.5*	*41*	*84*
8270C	*d14-Terphenyl (Surr)*	*%R: 94*	*56*	*120*
8270C	*d5-Nitrobenzene (Surr)*	*%R: 97*	*35*	*105*
8270C	*Phenol-d5 (surr)*	*%R: 62.5*	*50*	*100*

Huff & Huff, a Subsidiary of GZA