

**APPENDIX D**  
**LPC-663 CCDD DOCUMENTS**



# 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 178008-045A US 12/20/45 LaGrange Rd- PSI Office Phone Number, if available: 847-705-4122

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

3559V-1 (IDOT ROW along US 12/20/45 LaGrange Rd from I-294 to I-55)

City: Hodgkins, Justice, Willow Spri State: IL Zip Code: 60525

County: Cook Township: Lyons

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

Latitude: 41.7519 Longitude: - 87.86008

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS  Map Interpolation  Photo Interpolation  Survey  Other

Google Earth - Approximate center of multiple addresses

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

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

Estimated Volume of debris (cu. Yd.): 108

### 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.

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 Fig 4-1 in the Final PSI Rpt and boring 3559-SED-01 (NB US 12 56+80, 19' LT/RT).

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 STAT Analysis Corporation reports #21010275 and #21090433. 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.

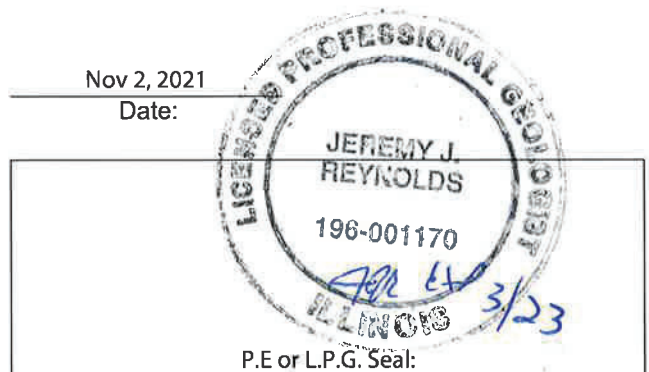
**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

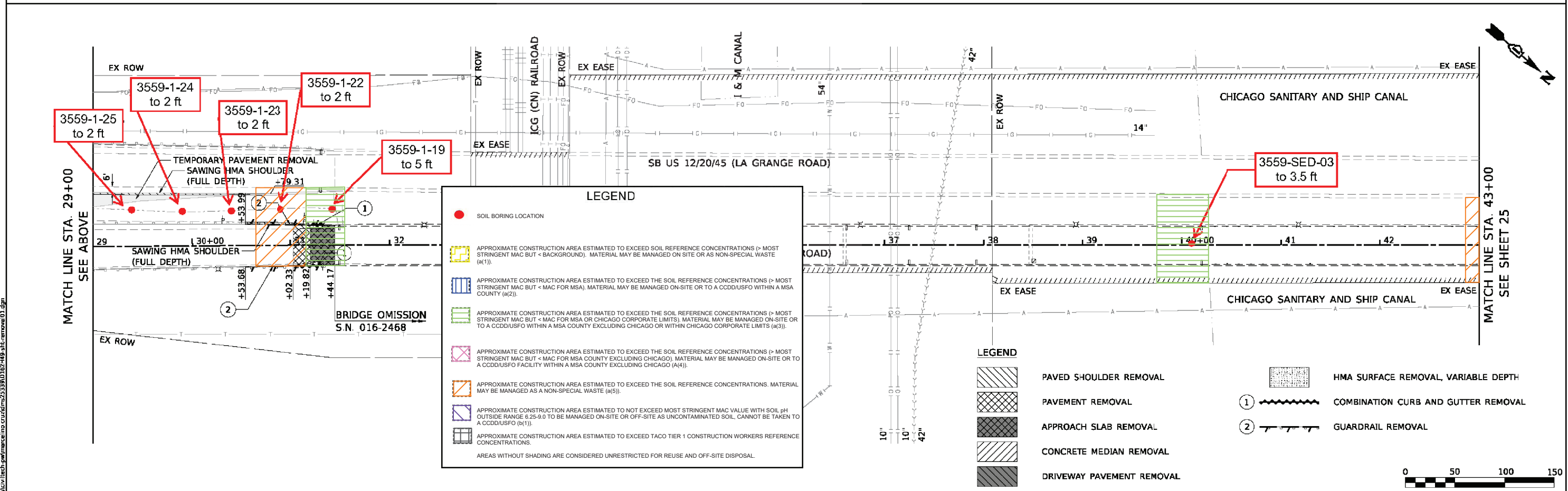
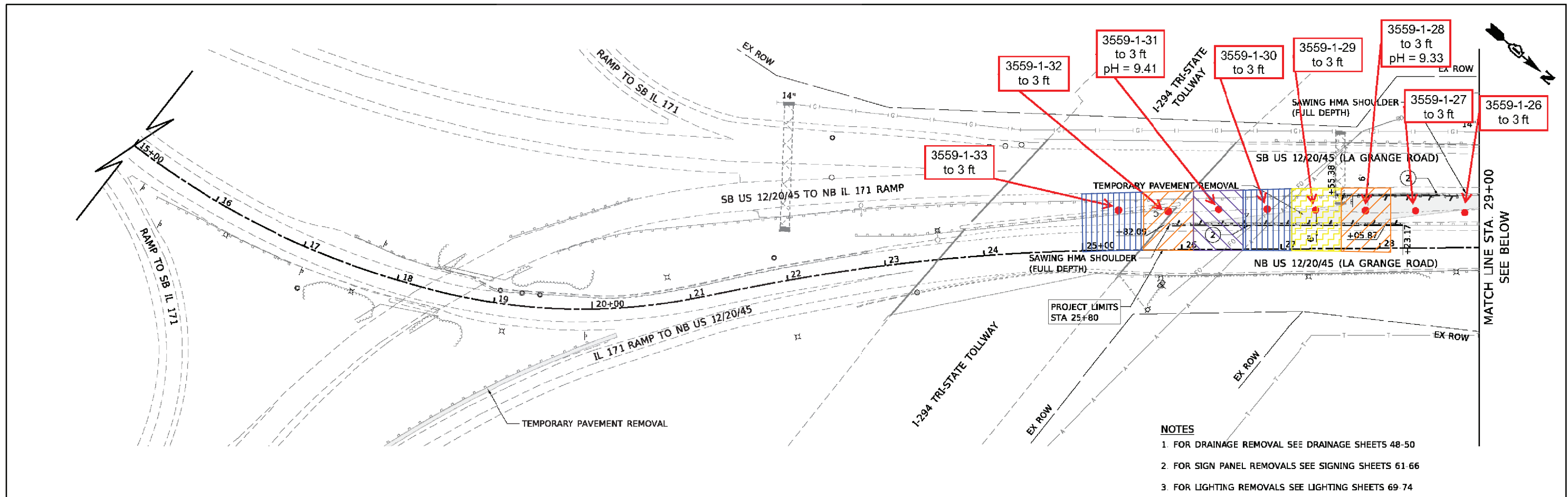
Company Name: Huff & Huff, Inc. / GZA GeoEnvironmental, Inc.  
Street Address: 915 Harger Road, Suite 330  
City: Oak Brook State: IL Zip Code: 60523  
Phone: 630-684-9100

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

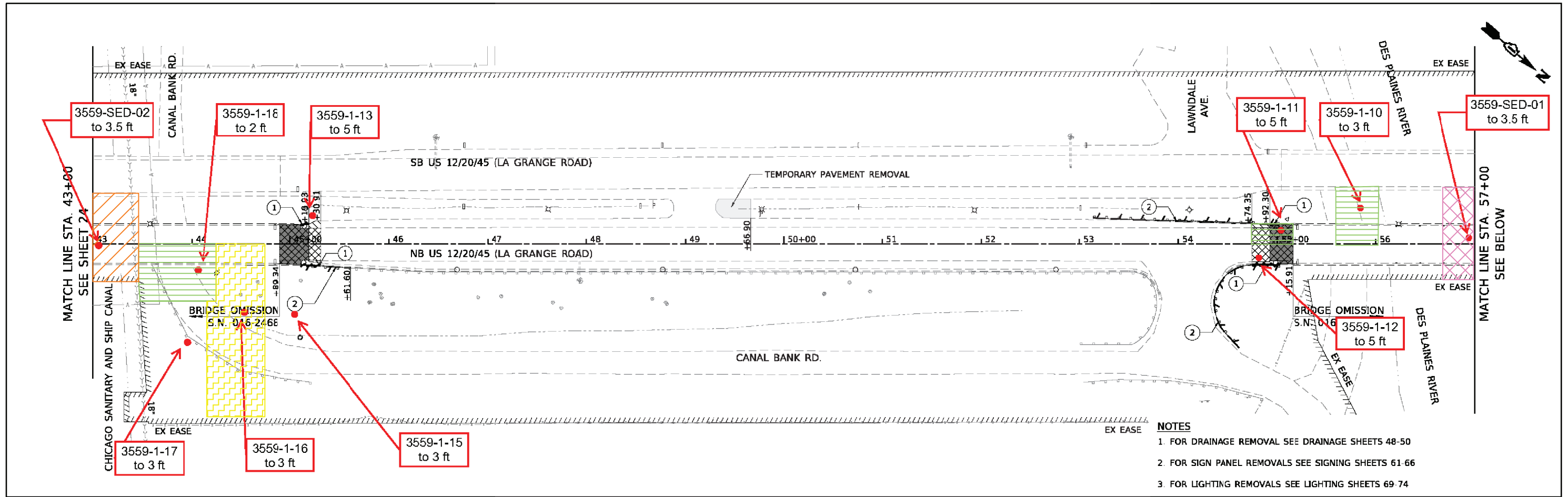
  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

Nov 2, 2021  
Date:

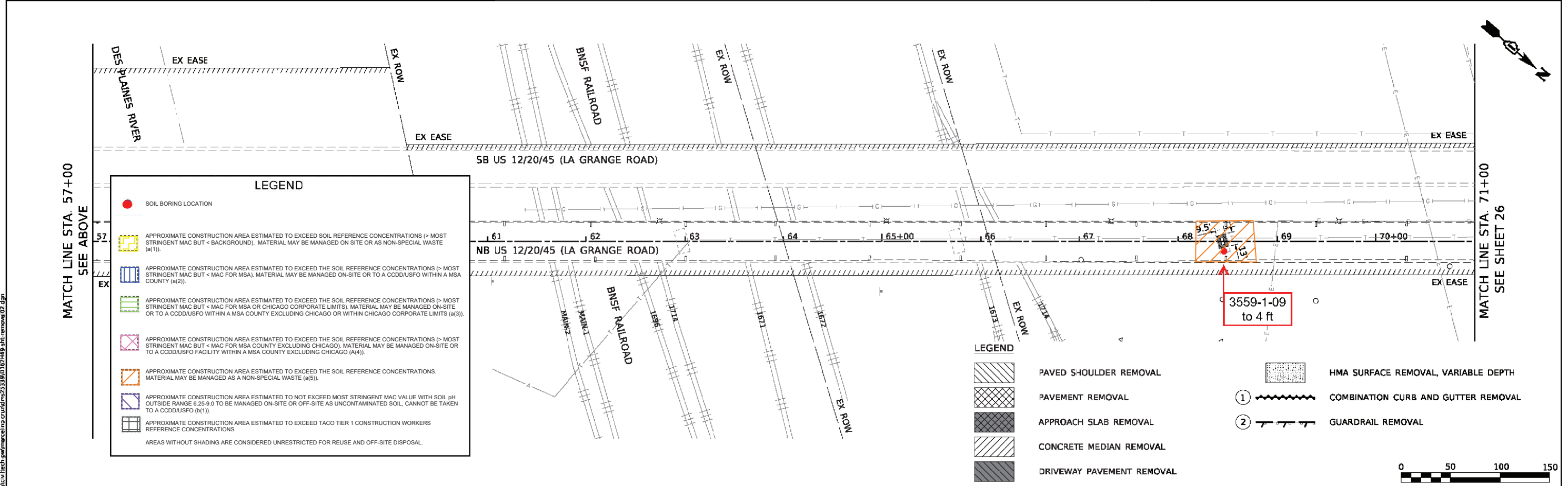




MODEL: Default FILE NAME: c:\bms\civiltech\paw\mca\mca\crs\mca\mca\2533801027449-sht-cenose01.dgn	USER NAME = mc DESIGNED - DRAWN - CHECKED - PLOT DATE = 10/29/2020	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>Figure 4-1.1 Extent of Potentially Impacted Soil Map</b> Huff & Huff, Inc. WO #45A	F.A.P. RTE: 330 SECTION: 2018-133-BR COUNTY: COOK TOTAL SHEETS: 291 SHEET NO.: 24 CONTRACT NO.: 62H49
	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630 773 3900 Fax: 630 773 3975 www.civiltech.com	PLOT SCALE = 100 0000' / in DATE:	SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA 15+00 TO STA 43+00	ILLINOIS FED. AID PROJECT	



- NOTES**
1. FOR DRAINAGE REMOVAL SEE DRAINAGE SHEETS 48-50
  2. FOR SIGN PANEL REMOVALS SEE SIGNING SHEETS 61-66
  3. FOR LIGHTING REMOVALS SEE LIGHTING SHEETS 69-74



**LEGEND**

- SOIL BORING LOCATION
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA OR CHICAGO CORPORATE LIMITS). MATERIAL MAY BE MANAGED ON-SITE OR AS NON-SPECIAL WASTE (a(1)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY (a(2)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO OR WITHIN CHICAGO CORPORATE LIMITS (a(3)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO FACILITY WITHIN A MSA COUNTY EXCLUDING CHICAGO (a(4)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED AS A NON-SPECIAL WASTE (a(5)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO NOT EXCEED MOST STRINGENT MAC VALUE WITH SOIL pH OUTSIDE RANGE 6.25-9.0 TO BE MANAGED ON-SITE OR OFF-SITE AS UNCONTAMINATED SOIL. CANNOT BE TAKEN TO A CCDDIUSFO (b(1)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED TACO TIER 1 CONSTRUCTION WORKERS REFERENCE CONCENTRATIONS.

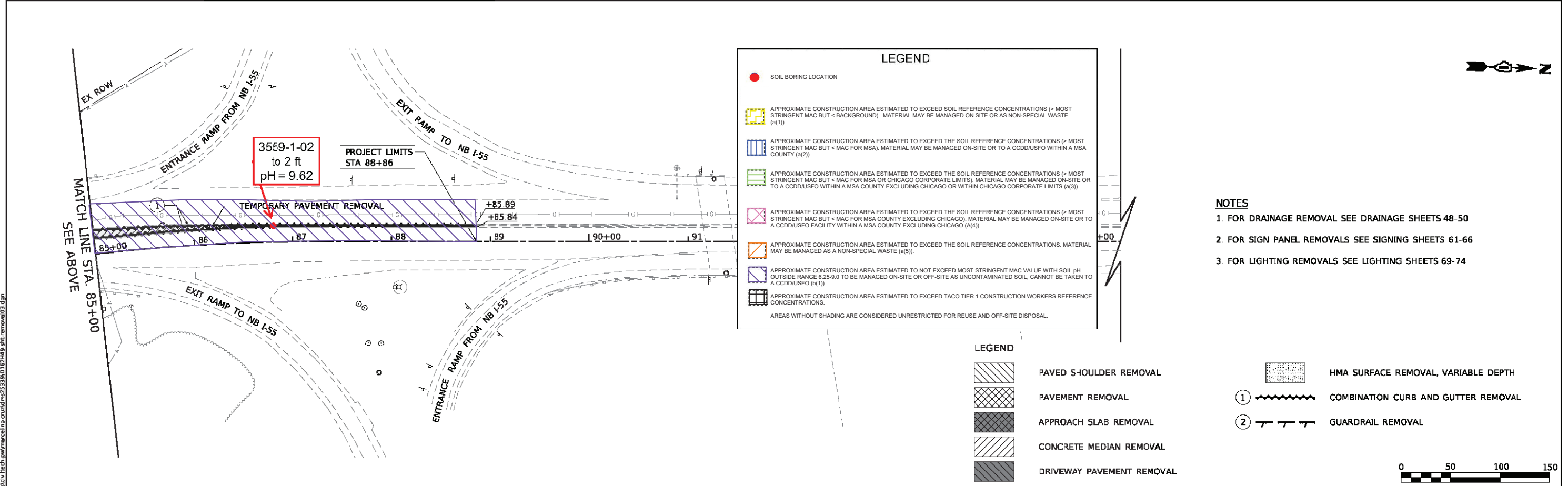
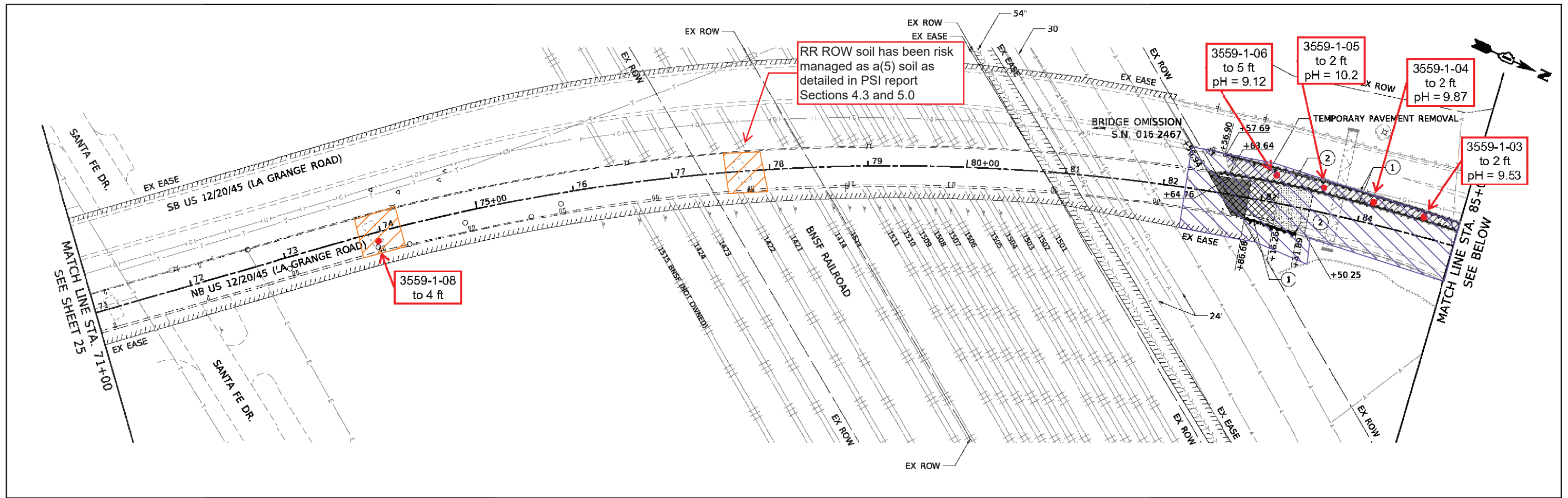
AREAS WITHOUT SHADING ARE CONSIDERED UNRESTRICTED FOR REUSE AND OFF-SITE DISPOSAL.

**LEGEND**

- ▨ PAVED SHOULDER REMOVAL
- ▨ PAVEMENT REMOVAL
- ▨ APPROACH SLAB REMOVAL
- ▨ CONCRETE MEDIAN REMOVAL
- ▨ DRIVEWAY PAVEMENT REMOVAL
- ▨ HMA SURFACE REMOVAL, VARIABLE DEPTH
- ① COMBINATION CURB AND GUTTER REMOVAL
- ② GUARDRAIL REMOVAL

<p>Two Pierce Plaza, Suite 1400 Naperville, Illinois 60563 Tel: 630 773 3800 Fax: 630 773 3975 www.civiltechinc.com</p>	USER NAME = mc PLOT SCALE = 100 0000' / in PLOT DATE = 10/29/2020	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center"><b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center">Figure 4-1.2 Extent of Potentially Impacted Soil Map Huff &amp; Huff, Inc. WO #45A</p>	F.A.P. RTE. 330 SECTION 2018-133-BR COUNTY COOK TOTAL SHEETS 291 SHEET NO. 25 CONTRACT NO. 62H49
	SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA 43+00 TO STA 71+00				ILLINOIS FED. AID PROJECT	





MODEL: D:\proj\... FILE NAME: ...	Two Pierce Place, Suite 1400 Naperville, Illinois 60143 Tel: 630 773 3900 Fax: 630 773 3975 www.civiltech.com	USER NAME = mc DESIGNED - DRAWN - CHECKED - PLOT DATE = 10/29/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Figure 4-1.3 Extent of Potentially Impacted Soil Map Huff & Huff, Inc. WO #45A	F.A.P. RTE. 330 SECTION 2018-133-BR COUNTY COOK TOTAL SHEETS 291 SHEET NO. 26 CONTRACT NO. 62H49
	SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA 71+00 TO STA 93+00	ILLINOIS FED. AID PROJECT				

LPC-663 Results  
 Soils for Reuse or Disposal at CCDD Facilities in an MSA County Excluding Chicago  
 IDOT, District One  
 US 12/20/45(LaGrange Rd) from I-294 to I-55  
 BDE Sequence No.: 20285  
 PTB: 178-008 / H-1, Work Order No.: 045A

Boring ID	Soil Reference Concentrations <sup>a/</sup>	Soil Remediation Objective for Construction Workers <sup>b/</sup>	Soil Remediation Objective for Residential Exposure <sup>c/</sup>	3559-SED-01
Sample Depth, ft				(0-3.5)
Sample Date				9/14/2021
Excavation Area(s)				3559V-01
[ISGS Site No.(s)]				
Parameter				
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	8.45
<b>VOCs, mg/kg</b>				NO EXCEEDANCES
<b>SVOCs, mg/kg</b>				
Benzo(a)anthracene	0.9 / 1.1 / 1.8	170	0.9	<b>0.38</b>
Benzo(a)pyrene	0.09 / 1.3 / 2.1	17	0.09	<b>0.6</b>
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	170	0.9	<b>0.67</b>
Carbazole	0.6	6200	32	< 0.22
Dibenz(a,h)anthracene	0.09 / 0.2 / 0.42	17	0.09	<b>0.24</b>
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	170	0.9	<b>0.46</b>
<b>Total Metals, mg/kg</b>				
Cadmium	5.2	200	78	<b>0.65</b>
Chromium	21	690	230	<b>28</b>
Cobalt	20	12,000	4700	<b>13</b>
Iron	15,000 / 15,900	---	---	<b>26000</b>
Lead	107	700	400	<b>27</b>
Manganese	630 / 636	4,100	1600	<b>500</b>
Mercury	0.89	0.1	10	<b>0.052</b>
<b>TCLP Metals, mg/L</b>	Class I Groundwater <sup>d/</sup>			
Cadmium		0.005		<b>0.005</b>
Chromium		0.1		< 0.010
Cobalt		1		<b>0.022</b>
Iron		5		< 0.25
Lead		0.0075		< 0.0050
Manganese		0.15		<b>6.2</b>
<b>SPLP Metals, mg/L</b>	Class I Groundwater <sup>d/</sup>			
Cadmium		0.005		< 0.0020
Chromium		0.1		< 0.0040
Cobalt		1		< 0.0040
Iron		5		<b>1.6</b>
Lead		0.0075		<b>0.0088</b>
Manganese		0.15		<b>0.0086</b>

--- - Refers to not applicable or value not available

<sup>a/</sup> Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable. Organic Soil Reference Concentrations (XX.XX / XX.XX / XX.XX) include the Most Stringent Values from the MAC Table / The Chicago Corporate Limit / and The MSA County Excluding Chicago Values From the MAC Table.

<sup>b/</sup> Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

<sup>c/</sup> Soil Remediation Objective for Residential exposure, most stringent of the Ingestion or Inhalation exposure route.

<sup>d/</sup> Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater.

**Bold** indicates concentration detected

Shaded values indicate concentration exceeds reference concentration

Table C-3 1 of 1  
 Comprehensive Comparison of Constituents- Pesticides  
 US 12/20/45 (LaGrange Road), I-294 to I-55  
 Hodgkins/Justice/Willow Springs, Cook County, Illinois  
 BDE Sequence No.: 21222  
 PTB: 178-008 / H-1, Work Order No.: 045A

Sample ID	Ingestion Exposure Route <sup>1</sup>			Inhalation Exposure Route <sup>1</sup>			Migration to Class I Groundwater Exposure Route <sup>1</sup>	Maximum Allowable Concentration <sup>2</sup>	3559-SED-01	3559-SED-02	3559-SED-Dup (3559-SED-02)	3559-SED-03
	Residential	Industrial / Commercial	Construction Worker	Residential	Industrial / Commercial	Construction Worker			(0-3.5)	(0-3.5)	(0-3.5)	(0-3.5)
									9/14/2021	9/14/2021	9/14/2021	9/14/2021
<b>Constituent</b>	-----mg/kg-----											
2,4-Dichlorophenoxyacetic acid (2,4-D)	780	20,000	2,000	--	--	--	1.5	1.5	< 0.0042	< 0.0036	< 0.0037	< 0.0041
Silvex (2,4,5-TP)	630	16,000	1,600	--	--	--	11	11	< 0.0042	< 0.0036	< 0.0037	< 0.0041
Aldrin	0.04	0.3	6.1	3	6.6	9.3	0.5	0.9	< 0.0020	< 0.0017	< 0.0018	< 0.0020
alpha-BHC	0.1	0.9	20	1	1.5	2.1	0.0005	0.0074	< 0.0020	< 0.0017	< 0.0018	< 0.0020
beta-BHC	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
delta-BHC	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
gamma-BHC (Lindane)	0.5	4	96	--	--	--	0.009	0.009	< 0.0020	< 0.0017	< 0.0018	< 0.0020
alpha-Chlordane	1.8	16	100	72	140	22	10	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
gamma-Chlordane	1.8	16	100	72	140	22	10	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDD	3	24	520	--	--	--	16	3	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDE	2	17	370	--	--	--	54	2	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDT	2	17	100	--	1500	2100	32	2	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Dieldrin	0.04	0.40	7.8	1	2.2	3.1	0.004	0.603	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan I	470	12000	1200	--	--	--	18	18	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan II	470	12000	1200	--	--	--	18	18	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan sulfate	470	12000	1200	--	--	--	18	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin	23	610	61	--	--	--	1	1	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin aldehyde	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin ketone	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Heptachlor	0.1	1	28	0	11	16	23	0.871	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Heptachlor epoxide	0.07	0.6	2.7	5	9.2	13	0.7	1.005	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Methoxychlor	390	10000	1000	--	--	--	160	160	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Toxaphene	0.6	5.2	110	89	170	240	31	0.6	< 0.042	< 0.036	< 0.037	< 0.041
Dalapon	2300	61000	6100	--	--	--	0.85	0.85	< 0.042	< 0.036	< 0.037	< 0.041
Dinoseb	78	2000	200	--	--	--	0.34	0.25	< 0.0086	< 0.0073	< 0.0076	< 0.0083
Pentachlorophenol	3	24	520	--	--	--	0.03	0.02	< 0.013	< 0.011	< 0.011	< 0.012
Picloram	5500	140000	14000	--	--	--	2.00	2.00	< 0.0086	< 0.0073	< 0.0076	< 0.0083

<sup>1</sup>Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

<sup>2</sup>Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

**Bold** = Constituent detected above its reporting limit

**Bold/Shaded** = Constituent detected above its applicable RO

-- Constituent for which RO has not been established

Note: Table only includes samples analyzed for pesticides/herbicides.



Table C-4 1 of 1  
 Comprehensive Comparison of Constituents- PCBs  
 US 12/20/45 (LaGrange Road), I-294 to I-55  
 Hodgkins/Justice/Willow Springs, Cook County, Illinois  
 BDE Sequence No.: 21222  
 PTB: 178-008 / H-1, Work Order No.: 045A

Sample ID	Ingestion Exposure Route <sup>1</sup>			Inhalation Exposure Route <sup>1</sup>			Migration to Class I Groundwater Exposure Route <sup>1</sup>	Maximum Allowable Concentration <sup>2</sup>	3559-SED-01	3559-SED-02	3559-SED-Dup (3559-SED-02)	3559-SED-03
	Residential	Industrial / Commercial	Construction Worker	Residential	Industrial / Commercial	Construction Worker			(0-3.5)	(0-3.5)	(0-3.5)	(0-3.5)
Sample Depth												
Sample Date									9/14/2021	9/14/2021	9/14/2021	9/14/2021
Constituent	-----mg/kg -----											
Aroclor 1016	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1221	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1232	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1242	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1248	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1254	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1260	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098

<sup>1</sup>Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

<sup>2</sup>Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

**Bold** = Constituent detected above its reporting limit

**Bold/Shaded** = Constituent detected above its applicable RO

--- Constituent for which sample was not analyzed, or for which RO has not been established

Note: Table only includes samples analyzed for PCBs.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-01 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 10:15:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>JDT</b>
Acetone	ND	0.094		mg/Kg-dry	1	9/21/2021
Benzene	ND	0.0062		mg/Kg-dry	1	9/21/2021
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
Bromoform	ND	0.0062		mg/Kg-dry	1	9/21/2021
Bromomethane	ND	0.012		mg/Kg-dry	1	9/21/2021
2-Butanone	ND	0.094		mg/Kg-dry	1	9/21/2021
Carbon disulfide	ND	0.062		mg/Kg-dry	1	9/21/2021
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	9/21/2021
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	9/21/2021
Chloroethane	ND	0.012		mg/Kg-dry	1	9/21/2021
Chloroform	ND	0.0062		mg/Kg-dry	1	9/21/2021
Chloromethane	ND	0.012		mg/Kg-dry	1	9/21/2021
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	9/21/2021
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	9/21/2021
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	9/21/2021
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	9/21/2021
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	9/21/2021
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	9/21/2021
2-Hexanone	ND	0.025		mg/Kg-dry	1	9/21/2021
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	9/21/2021
Methylene chloride	ND	0.012		mg/Kg-dry	1	9/21/2021
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	9/21/2021
Styrene	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	9/21/2021
Toluene	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	9/21/2021
Trichloroethene	ND	0.0062		mg/Kg-dry	1	9/21/2021
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	9/21/2021
Xylenes, Total	ND	0.019		mg/Kg-dry	1	9/21/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.042		mg/Kg-dry	1	9/17/2021
Acenaphthylene	ND	0.042		mg/Kg-dry	1	9/17/2021

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Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-01 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 10:15:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>					Prep Date: 9/15/2021 Analyst: DM
Aniline	ND	0.43		mg/Kg-dry	1	9/17/2021
Anthracene	0.087	0.042		mg/Kg-dry	1	9/17/2021
Benz(a)anthracene	0.38	0.042		mg/Kg-dry	1	9/17/2021
Benzidine	ND	0.42		mg/Kg-dry	1	9/17/2021
Benzo(a)pyrene	0.60	0.042		mg/Kg-dry	1	9/17/2021
Benzo(b)fluoranthene	0.67	0.042		mg/Kg-dry	1	9/17/2021
Benzo(g,h,i)perylene	0.60	0.042		mg/Kg-dry	1	9/17/2021
Benzo(k)fluoranthene	0.55	0.042		mg/Kg-dry	1	9/17/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	9/17/2021
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	9/17/2021
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	9/17/2021
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	9/17/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/17/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021
Carbazole	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	9/17/2021
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	9/17/2021
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/17/2021
Chrysene	0.57	0.042		mg/Kg-dry	1	9/17/2021
Dibenz(a,h)anthracene	0.24	0.042		mg/Kg-dry	1	9/17/2021
Dibenzofuran	ND	0.22		mg/Kg-dry	1	9/17/2021
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/17/2021
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/17/2021
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/17/2021
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	9/17/2021
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	9/17/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	9/17/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	9/17/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	9/17/2021
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/17/2021
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/17/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	9/17/2021

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Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-01 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 10:15:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 9/15/2021	Analyst: DM
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Fluoranthene	1.0	0.042		mg/Kg-dry	1	9/17/2021
Fluorene	ND	0.042		mg/Kg-dry	1	9/17/2021
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	9/17/2021
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	9/17/2021
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	9/17/2021
Hexachloroethane	ND	0.22		mg/Kg-dry	1	9/17/2021
Indeno(1,2,3-cd)pyrene	0.46	0.042		mg/Kg-dry	1	9/17/2021
Isophorone	ND	0.22		mg/Kg-dry	1	9/17/2021
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	9/17/2021
2-Methylphenol	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Methylphenol	ND	0.22		mg/Kg-dry	1	9/17/2021
Naphthalene	ND	0.042		mg/Kg-dry	1	9/17/2021
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/17/2021
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/17/2021
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	9/17/2021
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	9/17/2021
Nitrobenzene	ND	0.042		mg/Kg-dry	1	9/17/2021
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	9/17/2021
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	9/17/2021
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	9/17/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	9/17/2021
Pentachlorophenol	ND	0.086		mg/Kg-dry	1	9/17/2021
Phenanthrene	0.27	0.042		mg/Kg-dry	1	9/17/2021
Phenol	ND	0.22		mg/Kg-dry	1	9/17/2021
Pyrene	0.86	0.042		mg/Kg-dry	1	9/17/2021
Pyridine	ND	0.86		mg/Kg-dry	1	9/17/2021
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	9/17/2021
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/17/2021
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/17/2021

PCBs	SW8082A (SW3550B)				Prep Date: 9/17/2021	Analyst: GVC
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Aroclor 1016	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1221	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1232	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1242	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1248	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1254	ND	0.10		mg/Kg-dry	1	9/17/2021
Aroclor 1260	ND	0.10		mg/Kg-dry	1	9/17/2021

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Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-01 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 10:15:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>	<b>SW8081B (SW3550B)</b>		Prep Date: <b>9/17/2021</b>		Analyst: <b>GVC</b>	
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	9/17/2021
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	9/17/2021
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	9/17/2021
Aldrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
alpha-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	9/17/2021
beta-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
Chlordane	ND	0.020		mg/Kg-dry	1	9/17/2021
delta-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
Dieldrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan I	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan II	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin ketone	ND	0.0020		mg/Kg-dry	1	9/17/2021
gamma-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	9/17/2021
Heptachlor	ND	0.0020		mg/Kg-dry	1	9/17/2021
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	9/17/2021
Methoxychlor	ND	0.0020		mg/Kg-dry	1	9/17/2021
Toxaphene	ND	0.042		mg/Kg-dry	1	9/17/2021
<b>Herbicides in Soil</b>	<b>SW8321B (SW3550B)</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>MEP</b>	
2,4,5-TP (Silvex)	ND	0.0042		mg/Kg-dry	1	9/15/2021
2,4-D	ND	0.0042		mg/Kg-dry	1	9/15/2021
Dalapon	ND	0.042		mg/Kg-dry	1	9/15/2021
Dinoseb	ND	0.0086		mg/Kg-dry	1	9/15/2021
Pentachlorophenol	ND	0.013	*	mg/Kg-dry	1	9/15/2021
Picloram	ND	0.0086	*	mg/Kg-dry	1	9/15/2021
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>		Prep Date: <b>9/20/2021</b>		Analyst: <b>JG</b>	
Antimony	ND	2.3		mg/Kg-dry	10	9/20/2021
Arsenic	11	1.1		mg/Kg-dry	10	9/20/2021
Barium	73	1.1		mg/Kg-dry	10	9/20/2021
Beryllium	0.78	0.56		mg/Kg-dry	10	9/20/2021
Cadmium	0.65	0.56		mg/Kg-dry	10	9/20/2021
Calcium	53000	68		mg/Kg-dry	10	9/20/2021
Chromium	28	1.1		mg/Kg-dry	10	9/20/2021

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Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 9/20/2021

Analyst: JG

Cobalt	13	1.1		mg/Kg-dry	10	9/20/2021
Copper	31	2.8		mg/Kg-dry	10	9/20/2021
Iron	26000	34		mg/Kg-dry	10	9/20/2021
Lead	27	0.56		mg/Kg-dry	10	9/20/2021
Magnesium	23000	34		mg/Kg-dry	10	9/20/2021
Manganese	500	1.1		mg/Kg-dry	10	9/20/2021
Nickel	36	1.1		mg/Kg-dry	10	9/20/2021
Potassium	2400	34		mg/Kg-dry	10	9/20/2021
Selenium	1.8	1.1		mg/Kg-dry	10	9/20/2021
Silver	ND	1.1		mg/Kg-dry	10	9/20/2021
Sodium	590	68		mg/Kg-dry	10	9/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	9/20/2021
Vanadium	28	1.1		mg/Kg-dry	10	9/20/2021
Zinc	77	5.6		mg/Kg-dry	10	9/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 9/21/2021

Analyst: JG

Arsenic	0.0049	0.0040		mg/L	2	9/21/2021
Barium	ND	0.020		mg/L	2	9/21/2021
Beryllium	ND	0.0020		mg/L	2	9/22/2021
Cadmium	ND	0.0020		mg/L	2	9/21/2021
Chromium	ND	0.0040		mg/L	2	9/21/2021
Cobalt	ND	0.0040		mg/L	2	9/21/2021
Copper	ND	0.040		mg/L	2	9/21/2021
Iron	1.6	0.10		mg/L	2	9/21/2021
Lead	0.0088	0.0020		mg/L	2	9/21/2021
Manganese	0.0086	0.0040		mg/L	2	9/21/2021
Nickel	ND	0.0040		mg/L	2	9/21/2021
Selenium	ND	0.0040		mg/L	2	9/21/2021
Silver	ND	0.0040		mg/L	2	9/21/2021
Zinc	ND	0.020		mg/L	2	9/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 9/21/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	9/22/2021
Barium	0.42	0.050		mg/L	5	9/22/2021
Beryllium	ND	0.0050		mg/L	5	9/22/2021
Cadmium	0.0050	0.0050		mg/L	5	9/22/2021
Chromium	ND	0.010		mg/L	5	9/22/2021
Cobalt	0.022	0.010		mg/L	5	9/22/2021
Copper	ND	0.10		mg/L	5	9/22/2021

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Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>JG</b>	
Iron	ND	0.25		mg/L	5	9/22/2021
Lead	ND	0.0050		mg/L	5	9/22/2021
Manganese	6.2	0.010		mg/L	5	9/22/2021
Nickel	0.036	0.010		mg/L	5	9/22/2021
Selenium	ND	0.010		mg/L	5	9/22/2021
Silver	ND	0.010		mg/L	5	9/22/2021
Zinc	0.16	0.050		mg/L	5	9/22/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>LB</b>	
Mercury	ND	0.00020		mg/L	1	9/21/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>LB</b>	
Mercury	ND	0.00020		mg/L	1	9/21/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: <b>9/16/2021</b>		Analyst: <b>LB</b>	
Mercury	0.052	0.022		mg/Kg-dry	1	9/16/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: <b>9/20/2021</b>		Analyst: <b>EAA</b>	
pH	8.45			pH Units	1	9/20/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>HYM</b>	
Percent Moisture	22.4	0.2	*	wt%	1	9/15/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded





# 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 178008-045A US 12/20/45 LaGrange Rd- PSI Office Phone Number, if available: 847-705-4122

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

3559V-1 (IDOT ROW along US 12/20/45 LaGrange Rd from I-294 to I-55)

City: Hodgkins,Justice,Willow Spri State: IL Zip Code: 60525

County: Cook Township: Lyons

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

Latitude: 41.7519 Longitude: - 87.86008

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS  Map Interpolation  Photo Interpolation  Survey  Other

Google Earth - Approximate center of multiple addresses

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

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

Estimated Volume of debris (cu. Yd.): 360

### 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.

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 Fig 4-1 in the Final PSI Rpt and borings 3559-1-10 (NB US 12 55+90, 35 LT), 3559-1-11 (NB US 12 55+05, 25 LT), 3559-1-18 (NB US 12 44+10, 15 RT), 3559-1-19 (NB US 12 31+30, 30 LT), 3559-1-30 (NB US 12 26+85, 25 LT), 3559-1-33 (NB US 12 25+40, 25 LT), and 3559-SED-03 (NB US 12 40+15, 23' LT/RT).

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 STAT Analysis Corporation reports #21010275 and #21090433. 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.

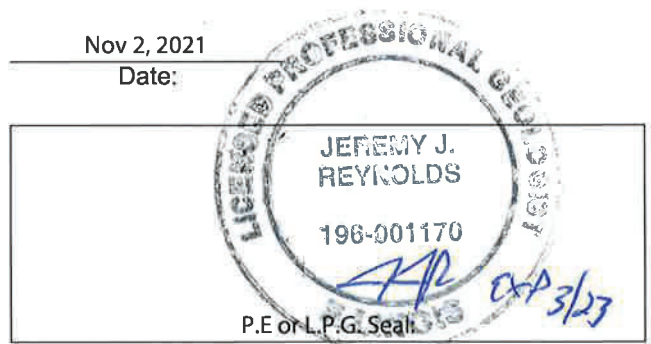
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

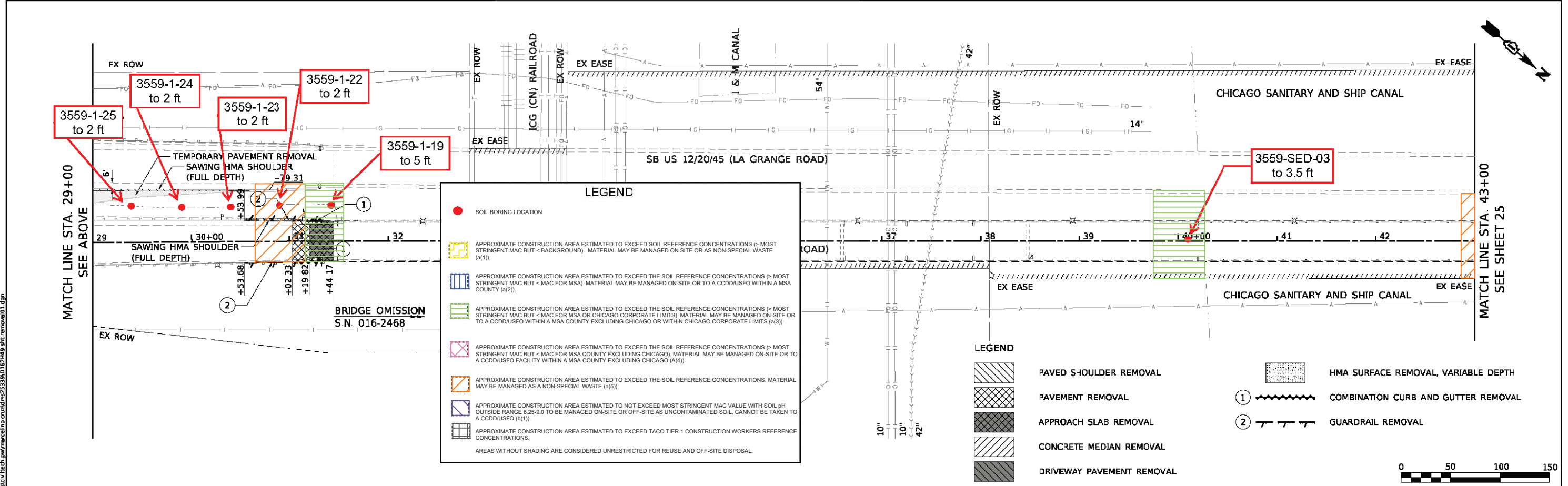
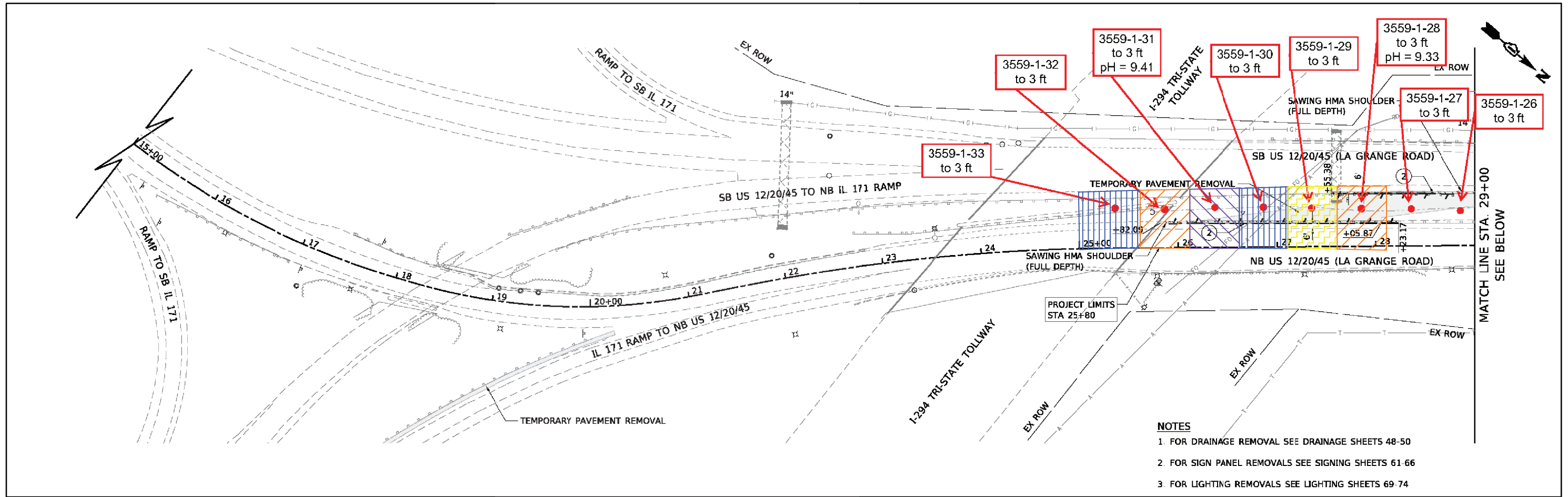
Jeremy J. Reynolds, P.G.
Printed Name:

[Handwritten Signature]
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

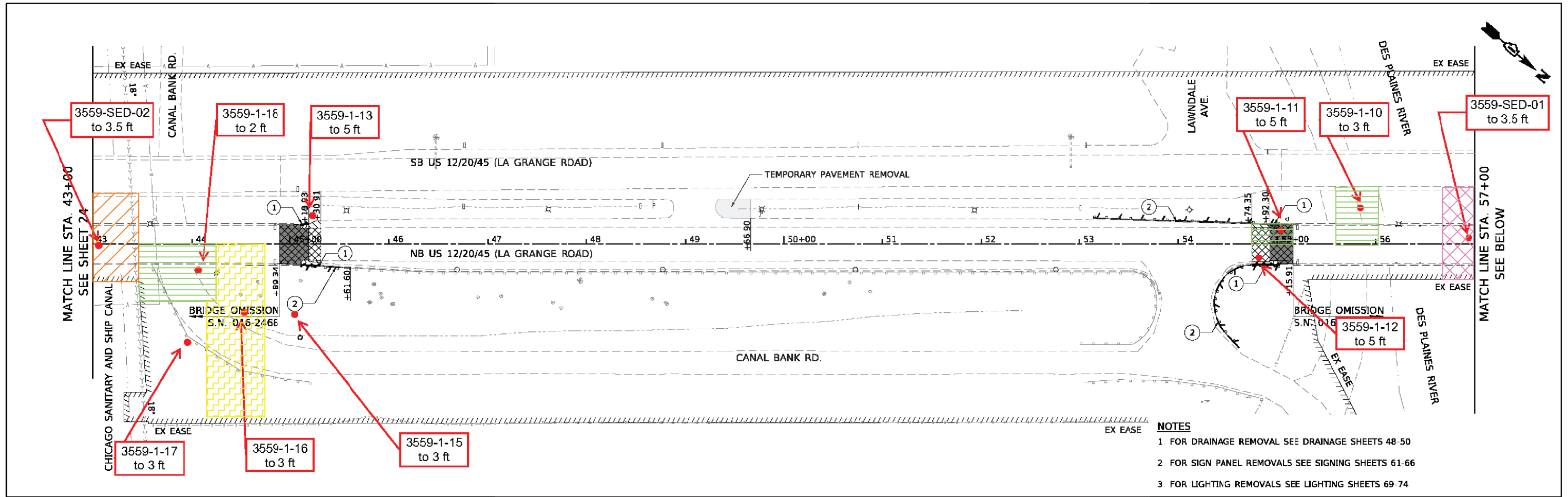
Nov 2, 2021
Date:



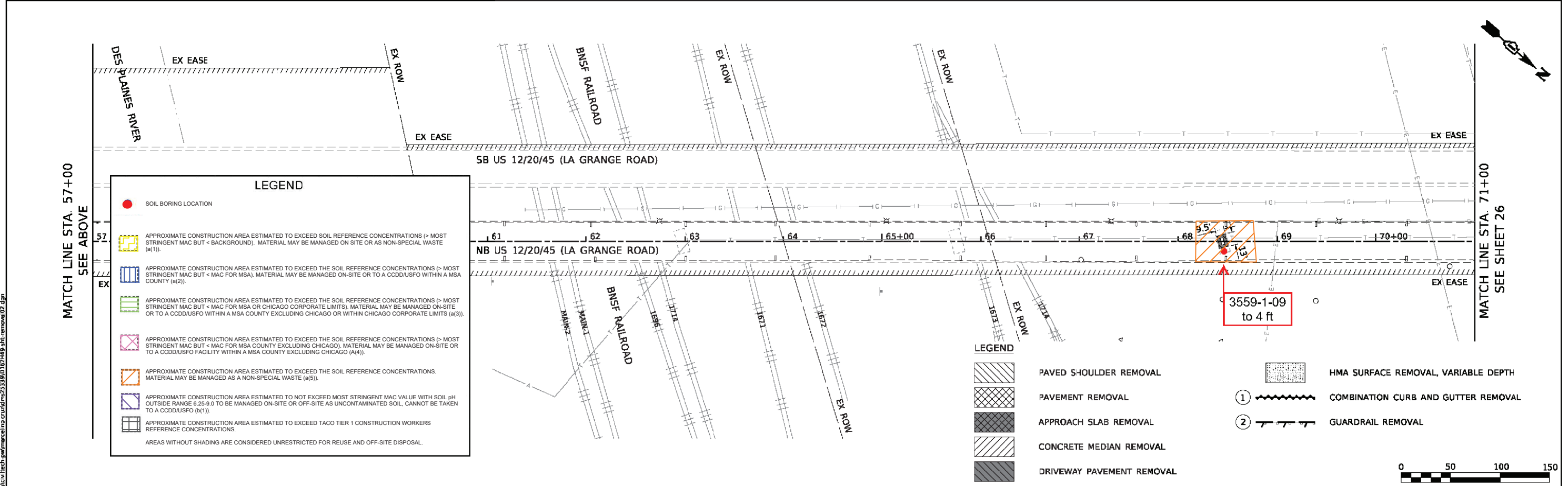




MODEL: Default FILE NAME: c:\bms\civiltech\pavement\map\crust\m2533801027449-sht-removal-01.dgn	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630 773 3900 Fax: 630 773 3975 www.civiltechinc.com	USER NAME = mc DESIGNED - DRAWN - CHECKED - PLOT DATE = 10/29/2020	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>Figure 4-1.1 Extent of Potentially Impacted Soil Map</b> Huff & Huff, Inc. WO #45A	F.A.P. RTE: 330 SECTION: 2018-133-BR COUNTY: COOK TOTAL SHEETS: 291 SHEET NO.: 24 CONTRACT NO.: 62H49
	SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA 15+00 TO STA 43+00				ILLINOIS FED. AID PROJECT	

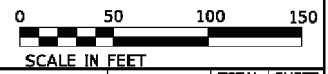


- NOTES**
1. FOR DRAINAGE REMOVAL SEE DRAINAGE SHEETS 48-50
  2. FOR SIGN PANEL REMOVALS SEE SIGNING SHEETS 61-66
  3. FOR LIGHTING REMOVALS SEE LIGHTING SHEETS 69-74

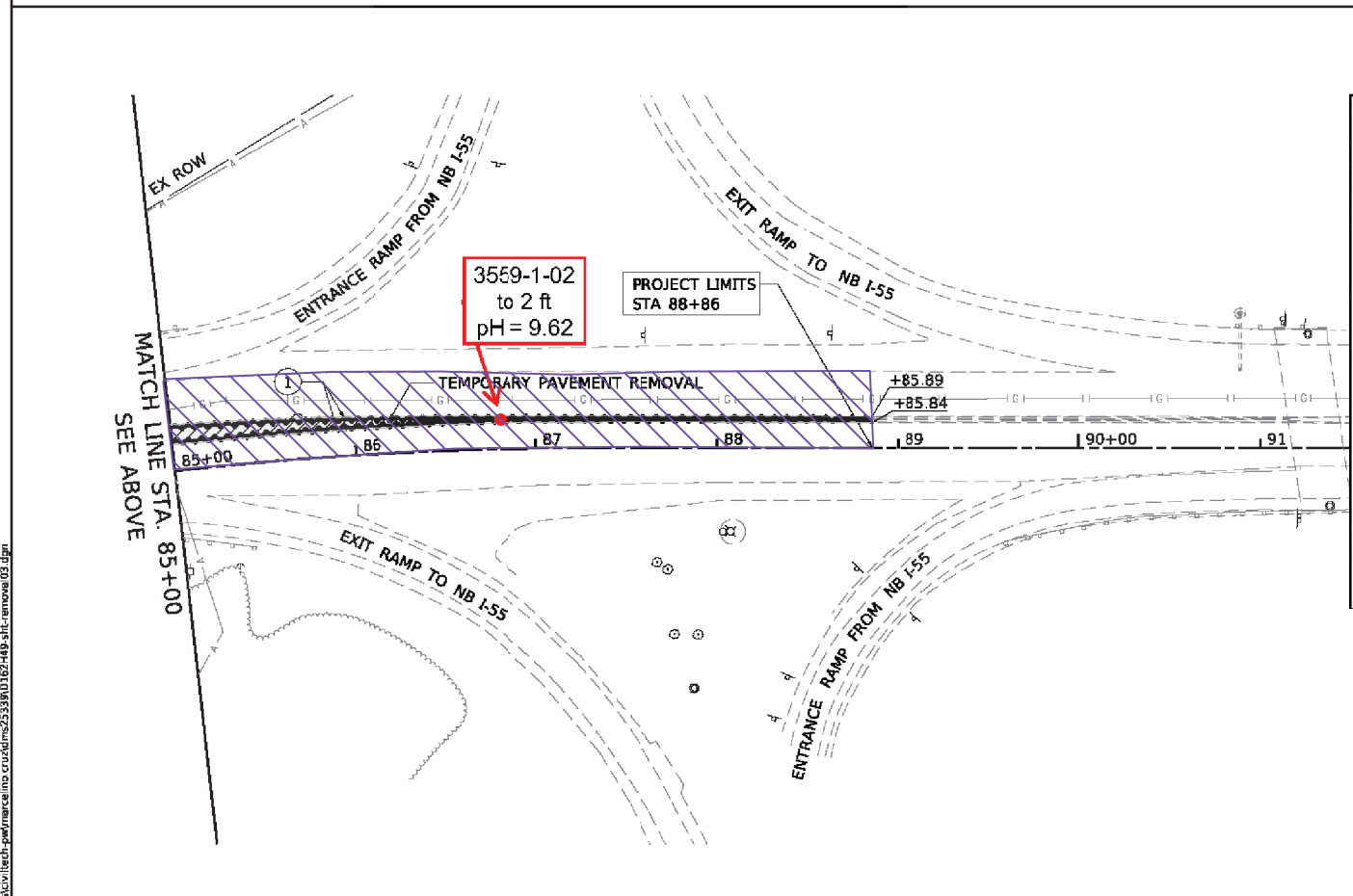
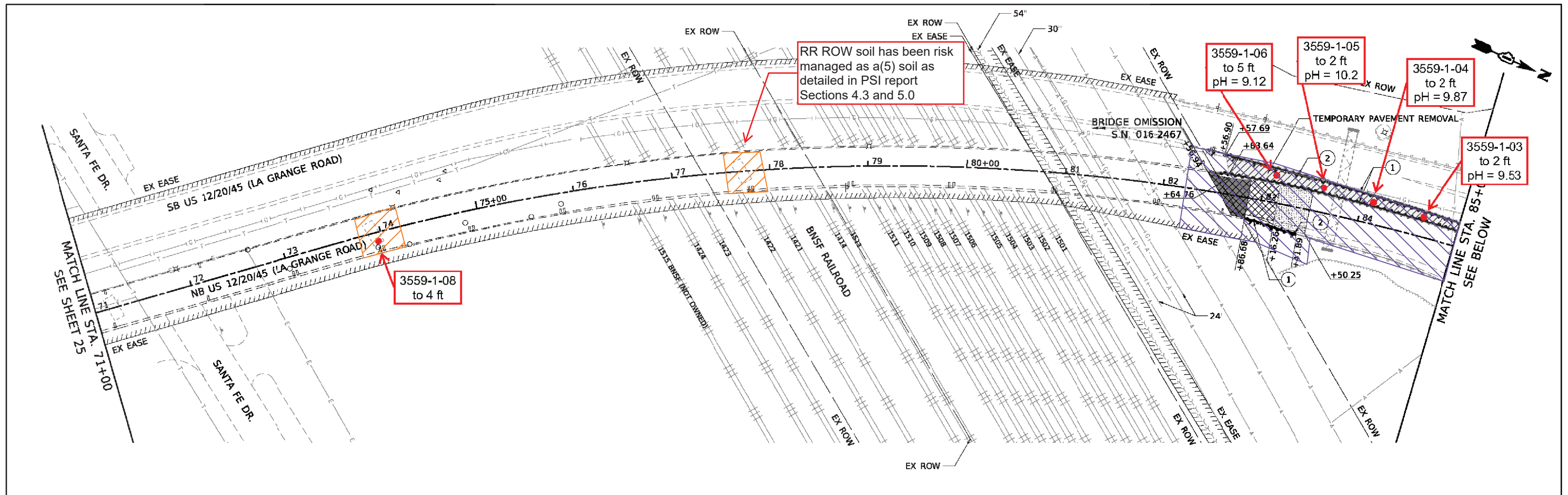


- LEGEND**
- SOIL BORING LOCATION
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON-SITE OR AS NON-SPECIAL WASTE (a(1)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY (a(2)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO OR WITHIN CHICAGO CORPORATE LIMITS (a(3)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO FACILITY WITHIN A MSA COUNTY EXCLUDING CHICAGO (a(4)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED AS A NON-SPECIAL WASTE (a(5)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO NOT EXCEED MOST STRINGENT MAC VALUE WITH SOIL pH OUTSIDE RANGE 6.25-9.0 TO BE MANAGED ON-SITE OR OFF-SITE AS UNCONTAMINATED SOIL. CANNOT BE TAKEN TO A CCDDIUSFO (b(1)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED TACO TIER 1 CONSTRUCTION WORKERS REFERENCE CONCENTRATIONS.
- AREAS WITHOUT SHADING ARE CONSIDERED UNRESTRICTED FOR REUSE AND OFF-SITE DISPOSAL.

- LEGEND**
- ▨ PAVED SHOULDER REMOVAL
  - ▨ PAVEMENT REMOVAL
  - ▨ APPROACH SLAB REMOVAL
  - ▨ CONCRETE MEDIAN REMOVAL
  - ▨ DRIVEWAY PAVEMENT REMOVAL
  - ▨ HMA SURFACE REMOVAL, VARIABLE DEPTH
  - ① COMBINATION CURB AND GUTTER REMOVAL
  - ② GUARDRAIL REMOVAL



<p>Two Pierce Place, Suite 1400 Napoca, Illinois 60143 Tel: 830 773 3800 Fax: 830 773 3975 www.civiltechinc.com</p>	USER NAME = mc PLOT SCALE = 100 0000' / in PLOT DATE = 10/29/2020	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center"><b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center">Figure 4-1.2 Extent of Potentially Impacted Soil Map Huff &amp; Huff, Inc. WO #45A</p>	F.A.P. RTE. 330 SECTION 2018-133-BR COUNTY COOK TOTAL SHEETS 291 SHEET NO. 25 CONTRACT NO. 62H49
	SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA 43+00 TO STA 71+00				ILLINOIS FED. AID PROJECT	



**LEGEND**

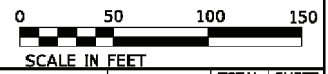
- SOIL BORING LOCATION
- [Yellow hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON SITE OR AS NON-SPECIAL WASTE (a(1)).
- [Blue hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY (a(2)).
- [Green hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA OR CHICAGO CORPORATE LIMITS). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO OR WITHIN CHICAGO CORPORATE LIMITS (a(3)).
- [Pink hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO (A(4)).
- [Orange hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED AS A NON-SPECIAL WASTE (a(5)).
- [Purple hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO NOT EXCEED MOST STRINGENT MAC VALUE WITH SOIL pH OUTSIDE RANGE 6.25-9.0 TO BE MANAGED ON-SITE OR OFF-SITE AS UNCONTAMINATED SOIL. CANNOT BE TAKEN TO A CCDDIUSFO (b(1)).
- [Grey hatched box] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED TACO TIER 1 CONSTRUCTION WORKERS REFERENCE CONCENTRATIONS.

AREAS WITHOUT SHADING ARE CONSIDERED UNRESTRICTED FOR REUSE AND OFF-SITE DISPOSAL.

**LEGEND**

- [Diagonal lines] PAVED SHOULDER REMOVAL
- [Cross-hatch] PAVEMENT REMOVAL
- [Dark grey] APPROACH SLAB REMOVAL
- [Light grey] CONCRETE MEDIAN REMOVAL
- [Dark grey with dots] DRIVEWAY PAVEMENT REMOVAL
- [Stippled] HMA SURFACE REMOVAL, VARIABLE DEPTH
- ① [Wavy line] COMBINATION CURB AND GUTTER REMOVAL
- ② [Dashed line] GUARDRAIL REMOVAL

- NOTES**
1. FOR DRAINAGE REMOVAL SEE DRAINAGE SHEETS 48-50
  2. FOR SIGN PANEL REMOVALS SEE SIGNING SHEETS 61-66
  3. FOR LIGHTING REMOVALS SEE LIGHTING SHEETS 69-74



Two Pierce Place, Suite 1400  
 Naperville, Illinois 60563  
 Tel: 630 773 3900  
 Fax: 630 773 3975  
 www.civiltech.com

USER NAME = mc	DESIGNED -	REVISED -
PLOT SCALE = 100 0000' / in	DRAWN -	REVISED -
PLOT DATE = 10/29/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

Figure 4-1.3 Extent of Potentially Impacted Soil Map  
 Huff & Huff, Inc. WO #45A  
 SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA 71+00 TO STA 93+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2018-133-BR	COOK	291	26
			CONTRACT NO. 62H49	



LPC-663 Results  
 Soils for Reuse or Disposal at CCDD Facilities in an MSA County Including Chicago  
 IDOT, District One  
 US 12/20/45(LaGrange Rd) from I-294 to I-55  
 BDE Sequence No.: 20285  
 PTB: 178-008 / H-1, Work Order No.: 045A

Boring ID Sample Depth, ft Sample Date Excavation Area(s) [ISGS Site No.(s)]	Soil Reference Concentrations <sup>a/</sup>	Soil Remediation Objective for Construction Workers <sup>b/</sup>	Soil Remediation Objective for Residential Exposure <sup>c/</sup>	3559-1-10	3559-1-11	3559-1-18	3559-1-19	3559-1-30	3559-1-33	3559-SED-03
				(0-3)	(0-5)	(0-3)	(0-5)	(0-3)	(0-3)	(0-3.5)
				01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	9/14/2021
				3559V-1						
<b>Parameter</b>										
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	8.71	7.58	7.82	8.2	8.94	8	7.59
<b>VOCs, mg/kg</b>				NO EXCEEDANCES						
<b>SVOCs, mg/kg</b>										
Benzo(a)pyrene	0.09 / 1.3 / 2.1	17	0.09	<b>0.44</b>	<b>0.53</b>	<b>0.3</b>	<b>0.2</b>	<b>0.039</b>	< 0.038	<b>0.31</b>
Dibenz(a,h)anthracene	0.09 / 0.2 / 0.42	17	0.09	< 0.35	<b>0.18</b>	<b>0.1</b>	<b>0.084</b>	< 0.038	< 0.038	<b>0.13</b>
<b>Total Metals, mg/kg</b>										
Arsenic	11.3 / 13	61	13	<b>1.8</b>	<b>8.8</b>	<b>5.6</b>	<b>7.3</b>	<b>8.5</b>	<b>12</b>	<b>9.6</b>
Chromium	21	690	230	<b>22</b>	<b>14</b>	<b>50</b>	<b>22</b>	<b>15</b>	<b>23</b>	<b>21</b>
Cobalt	20	12,000	4700	<b>2</b>	<b>6.7</b>	<b>6</b>	<b>13</b>	<b>9.7</b>	<b>19</b>	<b>3.9</b>
Iron	15,000 / 15,900	---	---	<b>5300</b>	<b>21000</b>	<b>15000</b>	<b>22000</b>	<b>21000</b>	<b>31000</b>	<b>42000</b>
Lead	107	700	400	<b>9.9</b>	<b>17</b>	<b>63</b>	<b>75</b>	<b>32</b>	<b>18</b>	<b>65</b>
Manganese	630 / 636	4,100	1600	<b>420</b>	<b>320</b>	<b>350</b>	<b>460</b>	<b>520</b>	<b>330</b>	<b>460</b>
Zinc	5,100	61,000	23000	<b>35</b>	<b>63</b>	<b>190</b>	<b>71</b>	<b>66</b>	<b>77</b>	<b>88</b>
<b>TCLP Metals, mg/L</b>		Class I Groundwater <sup>d/</sup>								
Arsenic		0.05		< 0.010	< 0.010	<b>0.015</b>	< 0.010	< 0.010	< 0.010	< 0.010
Chromium		0.1		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Cobalt		1		<b>0.012</b>	< 0.010	<b>0.034</b>	< 0.010	< 0.010	<b>0.035</b>	< 0.010
Iron		5		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Lead		0.0075		< 0.0050	< 0.0050	<b>0.0052</b>	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Manganese		0.15		<b>1.9</b>	<b>1.8</b>	<b>3.9</b>	<b>1.5</b>	<b>3.7</b>	<b>5.5</b>	<b>1</b>
Zinc		5		<b>0.15</b>	< 0.050	<b>1.4</b>	< 0.050	< 0.050	< 0.050	<b>0.18</b>
<b>SPLP Metals, mg/L</b>		Class I Groundwater <sup>d/</sup>								
Arsenic		0.05		< 0.0040	<b>0.011</b>	<b>0.013</b>	< 0.0040	<b>0.016</b>	<b>0.0073</b>	< 0.0040
Chromium		0.1		< 0.0040	<b>0.019</b>	<b>0.01</b>	<b>0.0055</b>	<b>0.03</b>	<b>0.016</b>	< 0.0040
Cobalt		1		< 0.0040	<b>0.011</b>	< 0.0040	< 0.0040	<b>0.011</b>	<b>0.0074</b>	< 0.0040
Copper		0.65		< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Iron		5		< 0.10	<b>33</b>	<b>2.4</b>	<b>3.1</b>	<b>34</b>	<b>16</b>	<b>1.2</b>
Lead		0.0075		< 0.0020	<b>0.015</b>	<b>0.013</b>	<b>0.0042</b>	<b>0.029</b>	<b>0.0074</b>	<b>0.0067</b>
Manganese		0.15		< 0.0040	<b>0.14</b>	<b>0.02</b>	<b>0.014</b>	<b>0.2</b>	<b>0.084</b>	<b>0.0083</b>
Zinc		5		< 0.020	<b>0.062</b>	<b>0.035</b>	< 0.020	<b>0.094</b>	<b>0.035</b>	< 0.020

--- - Refers to not applicable or value not available

<sup>a/</sup> Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.

Organic Soil Reference Concentrations (XX.XX / XX.XX / XX.XX) Include the Most Stringent Values from the MAC Table / The Chicago Corporate Limit / and The MSA County Excluding Chicago Values From the MAC Table.

<sup>b/</sup> Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

<sup>c/</sup> Soil Remediation Objective for Residential exposure, most stringent of the Ingestion or Inhalation exposure route.

<sup>d/</sup> Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater.

**Bold** indicates concentration detected


 Shaded values indicate concentration exceeds reference concentration

Table C-3 1 of 1  
 Comprehensive Comparison of Constituents- Pesticides  
 US 12/20/45 (LaGrange Road), I-294 to I-55  
 Hodgkins/Justice/Willow Springs, Cook County, Illinois  
 BDE Sequence No.: 21222  
 PTB: 178-008 / H-1, Work Order No.: 045A

Sample ID	Ingestion Exposure Route <sup>1</sup>			Inhalation Exposure Route <sup>1</sup>			Migration to Class I Groundwater Exposure Route <sup>1</sup>	Maximum Allowable Concentration <sup>2</sup>	3559-SED-01	3559-SED-02	3559-SED-Dup (3559-SED-02)	3559-SED-03
	Residential	Industrial / Commercial	Construction Worker	Residential	Industrial / Commercial	Construction Worker			(0-3.5)	(0-3.5)	(0-3.5)	(0-3.5)
									9/14/2021	9/14/2021	9/14/2021	9/14/2021
Sample Depth	-----mg/kg-----											
Sample Date	-----mg/kg-----											
Constituent	-----mg/kg-----											
2,4-Dichlorophenoxyacetic acid (2,4-D)	780	20,000	2,000	--	--	--	1.5	1.5	< 0.0042	< 0.0036	< 0.0037	< 0.0041
Silvex (2,4,5-TP)	630	16,000	1,600	--	--	--	11	11	< 0.0042	< 0.0036	< 0.0037	< 0.0041
Aldrin	0.04	0.3	6.1	3	6.6	9.3	0.5	0.9	< 0.0020	< 0.0017	< 0.0018	< 0.0020
alpha-BHC	0.1	0.9	20	1	1.5	2.1	0.0005	0.0074	< 0.0020	< 0.0017	< 0.0018	< 0.0020
beta-BHC	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
delta-BHC	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
gamma-BHC (Lindane)	0.5	4	96	--	--	--	0.009	0.009	< 0.0020	< 0.0017	< 0.0018	< 0.0020
alpha-Chlordane	1.8	16	100	72	140	22	10	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
gamma-Chlordane	1.8	16	100	72	140	22	10	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDD	3	24	520	--	--	--	16	3	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDE	2	17	370	--	--	--	54	2	< 0.0020	< 0.0017	< 0.0018	< 0.0020
4,4'-DDT	2	17	100	--	1500	2100	32	2	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Dieldrin	0.04	0.40	7.8	1	2.2	3.1	0.004	0.603	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan I	470	12000	1200	--	--	--	18	18	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan II	470	12000	1200	--	--	--	18	18	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endosulfan sulfate	470	12000	1200	--	--	--	18	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin	23	610	61	--	--	--	1	1	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin aldehyde	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Endrin ketone	--	--	--	--	--	--	--	--	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Heptachlor	0.1	1	28	0	11	16	23	0.871	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Heptachlor epoxide	0.07	0.6	2.7	5	9.2	13	0.7	1.005	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Methoxychlor	390	10000	1000	--	--	--	160	160	< 0.0020	< 0.0017	< 0.0018	< 0.0020
Toxaphene	0.6	5.2	110	89	170	240	31	0.6	< 0.042	< 0.036	< 0.037	< 0.041
Dalapon	2300	61000	6100	--	--	--	0.85	0.85	< 0.042	< 0.036	< 0.037	< 0.041
Dinoseb	78	2000	200	--	--	--	0.34	0.25	< 0.0086	< 0.0073	< 0.0076	< 0.0083
Pentachlorophenol	3	24	520	--	--	--	0.03	0.02	< 0.013	< 0.011	< 0.011	< 0.012
Picloram	5500	140000	14000	--	--	--	2.00	2.00	< 0.0086	< 0.0073	< 0.0076	< 0.0083

<sup>1</sup>Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

<sup>2</sup>Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

**Bold** = Constituent detected above its reporting limit

**Bold/Shaded** = Constituent detected above its applicable RO

-- Constituent for which RO has not been established

Note: Table only includes samples analyzed for pesticides/herbicides.



Table C-4 1 of 1  
 Comprehensive Comparison of Constituents- PCBs  
 US 12/20/45 (LaGrange Road), I-294 to I-55  
 Hodgkins/Justice/Willow Springs, Cook County, Illinois  
 BDE Sequence No.: 21222  
 PTB: 178-008 / H-1, Work Order No.: 045A

Sample ID	Ingestion Exposure Route <sup>1</sup>			Inhalation Exposure Route <sup>1</sup>			Migration to Class I Groundwater Exposure Route <sup>1</sup>	Maximum Allowable Concentration <sup>2</sup>	3559-SED-01	3559-SED-02	3559-SED-Dup (3559-SED-02)	3559-SED-03
	Residential	Industrial / Commercial	Construction Worker	Residential	Industrial / Commercial	Construction Worker			(0-3.5)	(0-3.5)	(0-3.5)	(0-3.5)
Sample Depth												
Sample Date												
Constituent	-----mg/kg-----											
Aroclor 1016	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1221	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1232	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1242	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1248	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1254	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098
Aroclor 1260	<b>1</b>	<b>1</b>	<b>1</b>	---	---	---	---	<b>1</b>	< 0.10	< 0.087	< 0.089	< 0.098

<sup>1</sup>Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

<sup>2</sup>Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

**Bold** = Constituent detected above its reporting limit

**Bold/Shaded** = Constituent detected above its applicable RO

--- Constituent for which sample was not analyzed, or for which RO has not been established

Note: Table only includes samples analyzed for PCBs.

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>JDT</b>
Acetone	ND	0.12		mg/Kg-dry	1	9/21/2021
Benzene	ND	0.0077		mg/Kg-dry	1	9/21/2021
Bromodichloromethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
Bromoform	ND	0.0077		mg/Kg-dry	1	9/21/2021
Bromomethane	ND	0.015		mg/Kg-dry	1	9/21/2021
2-Butanone	ND	0.12		mg/Kg-dry	1	9/21/2021
Carbon disulfide	ND	0.077		mg/Kg-dry	1	9/21/2021
Carbon tetrachloride	ND	0.0077		mg/Kg-dry	1	9/21/2021
Chlorobenzene	ND	0.0077		mg/Kg-dry	1	9/21/2021
Chloroethane	ND	0.015		mg/Kg-dry	1	9/21/2021
Chloroform	ND	0.0077		mg/Kg-dry	1	9/21/2021
Chloromethane	ND	0.015		mg/Kg-dry	1	9/21/2021
Dibromochloromethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,1-Dichloroethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,2-Dichloroethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,1-Dichloroethene	ND	0.0077		mg/Kg-dry	1	9/21/2021
cis-1,2-Dichloroethene	ND	0.0077		mg/Kg-dry	1	9/21/2021
trans-1,2-Dichloroethene	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,2-Dichloropropane	ND	0.0077		mg/Kg-dry	1	9/21/2021
cis-1,3-Dichloropropene	ND	0.0031		mg/Kg-dry	1	9/21/2021
trans-1,3-Dichloropropene	ND	0.0031		mg/Kg-dry	1	9/21/2021
Ethylbenzene	ND	0.0077		mg/Kg-dry	1	9/21/2021
2-Hexanone	ND	0.031		mg/Kg-dry	1	9/21/2021
4-Methyl-2-pentanone	ND	0.031		mg/Kg-dry	1	9/21/2021
Methylene chloride	ND	0.015		mg/Kg-dry	1	9/21/2021
Methyl tert-butyl ether	ND	0.0077		mg/Kg-dry	1	9/21/2021
Styrene	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,1,2,2-Tetrachloroethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
Tetrachloroethene	ND	0.0077		mg/Kg-dry	1	9/21/2021
Toluene	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,1,1-Trichloroethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
1,1,2-Trichloroethane	ND	0.0077		mg/Kg-dry	1	9/21/2021
Trichloroethene	ND	0.0077		mg/Kg-dry	1	9/21/2021
Vinyl chloride	ND	0.0077		mg/Kg-dry	1	9/21/2021
Xylenes, Total	ND	0.023		mg/Kg-dry	1	9/21/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.041		mg/Kg-dry	1	9/17/2021
Acenaphthylene	ND	0.041		mg/Kg-dry	1	9/17/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270C (SW3550B)</b>		Prep Date: 9/15/2021		Analyst: DM
Aniline	ND	0.41		mg/Kg-dry	1	9/17/2021
Anthracene	0.071	0.041		mg/Kg-dry	1	9/17/2021
Benz(a)anthracene	0.25	0.041		mg/Kg-dry	1	9/17/2021
Benzidine	ND	0.41		mg/Kg-dry	1	9/17/2021
Benzo(a)pyrene	0.31	0.041		mg/Kg-dry	1	9/17/2021
Benzo(b)fluoranthene	0.34	0.041		mg/Kg-dry	1	9/17/2021
Benzo(g,h,i)perylene	0.30	0.041		mg/Kg-dry	1	9/17/2021
Benzo(k)fluoranthene	0.23	0.041		mg/Kg-dry	1	9/17/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	9/17/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	9/17/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	9/17/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	9/17/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	9/17/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021
Carbazole	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	9/17/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	9/17/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	9/17/2021
Chrysene	0.34	0.041		mg/Kg-dry	1	9/17/2021
Dibenz(a,h)anthracene	0.13	0.041		mg/Kg-dry	1	9/17/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	9/17/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/17/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/17/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/17/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	9/17/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	9/17/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	9/17/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	9/17/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	9/17/2021
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	9/17/2021
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	9/17/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	9/17/2021

**Qualifiers:**

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 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
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Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)	Prep Date: 9/15/2021			Analyst: DM
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Fluoranthene	0.70	0.041		mg/Kg-dry	1	9/17/2021
Fluorene	ND	0.041		mg/Kg-dry	1	9/17/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	9/17/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	9/17/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	9/17/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	9/17/2021
Indeno(1,2,3-cd)pyrene	0.22	0.041		mg/Kg-dry	1	9/17/2021
Isophorone	ND	0.21		mg/Kg-dry	1	9/17/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	9/17/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	9/17/2021
Naphthalene	ND	0.041		mg/Kg-dry	1	9/17/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/17/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/17/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	9/17/2021
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	9/17/2021
Nitrobenzene	ND	0.041		mg/Kg-dry	1	9/17/2021
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	9/17/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	9/17/2021
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	9/17/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	9/17/2021
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	9/17/2021
Phenanthrene	0.36	0.041		mg/Kg-dry	1	9/17/2021
Phenol	ND	0.21		mg/Kg-dry	1	9/17/2021
Pyrene	0.52	0.041		mg/Kg-dry	1	9/17/2021
Pyridine	ND	0.83		mg/Kg-dry	1	9/17/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	9/17/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	9/17/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	9/17/2021

PCBs	SW8082A (SW3550B)	Prep Date: 9/17/2021			Analyst: GVC
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Aroclor 1016	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1221	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1232	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1242	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1248	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1254	ND	0.098		mg/Kg-dry	1	9/17/2021
Aroclor 1260	ND	0.098		mg/Kg-dry	1	9/17/2021

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 HT - Sample received past holding time  
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Date Reported: September 23, 2021

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Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Pesticides</b>		<b>SW8081B (SW3550B)</b>		Prep Date: <b>9/17/2021</b>		Analyst: <b>GVC</b>
4,4'-DDD	ND	0.0020		mg/Kg-dry	1	9/17/2021
4,4'-DDE	ND	0.0020		mg/Kg-dry	1	9/17/2021
4,4'-DDT	ND	0.0020		mg/Kg-dry	1	9/17/2021
Aldrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
alpha-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
alpha-Chlordane	ND	0.0020		mg/Kg-dry	1	9/17/2021
beta-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
Chlordane	ND	0.020		mg/Kg-dry	1	9/17/2021
delta-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
Dieldrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan I	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan II	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endosulfan sulfate	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin aldehyde	ND	0.0020		mg/Kg-dry	1	9/17/2021
Endrin ketone	ND	0.0020		mg/Kg-dry	1	9/17/2021
gamma-BHC	ND	0.0020		mg/Kg-dry	1	9/17/2021
gamma-Chlordane	ND	0.0020		mg/Kg-dry	1	9/17/2021
Heptachlor	ND	0.0020		mg/Kg-dry	1	9/17/2021
Heptachlor epoxide	ND	0.0020		mg/Kg-dry	1	9/17/2021
Methoxychlor	ND	0.0020		mg/Kg-dry	1	9/17/2021
Toxaphene	ND	0.041		mg/Kg-dry	1	9/17/2021
<b>Herbicides in Soil</b>		<b>SW8321B (SW3550B)</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>MEP</b>
2,4,5-TP (Silvex)	ND	0.0041		mg/Kg-dry	1	9/15/2021
2,4-D	ND	0.0041		mg/Kg-dry	1	9/15/2021
Dalapon	ND	0.041		mg/Kg-dry	1	9/15/2021
Dinoseb	ND	0.0083		mg/Kg-dry	1	9/15/2021
Pentachlorophenol	ND	0.012	*	mg/Kg-dry	1	9/15/2021
Picloram	ND	0.0083	*	mg/Kg-dry	1	9/15/2021
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: <b>9/20/2021</b>		Analyst: <b>JG</b>
Antimony	ND	2.4		mg/Kg-dry	10	9/20/2021
Arsenic	9.6	1.2		mg/Kg-dry	10	9/20/2021
Barium	34	1.2		mg/Kg-dry	10	9/20/2021
Beryllium	ND	0.60		mg/Kg-dry	10	9/20/2021
Cadmium	0.70	0.60		mg/Kg-dry	10	9/20/2021
Calcium	120000	72		mg/Kg-dry	10	9/20/2021
Chromium	21	1.2		mg/Kg-dry	10	9/20/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 9/20/2021

Analyst: JG

Cobalt	3.9	1.2		mg/Kg-dry	10	9/20/2021
Copper	21	3.0		mg/Kg-dry	10	9/20/2021
Iron	42000	36		mg/Kg-dry	10	9/20/2021
Lead	65	0.60		mg/Kg-dry	10	9/20/2021
Magnesium	67000	36		mg/Kg-dry	10	9/20/2021
Manganese	460	1.2		mg/Kg-dry	10	9/20/2021
Nickel	13	1.2		mg/Kg-dry	10	9/20/2021
Potassium	570	36		mg/Kg-dry	10	9/20/2021
Selenium	ND	1.2		mg/Kg-dry	10	9/20/2021
Silver	ND	1.2		mg/Kg-dry	10	9/20/2021
Sodium	670	72		mg/Kg-dry	10	9/20/2021
Thallium	ND	1.2		mg/Kg-dry	10	9/20/2021
Vanadium	10	1.2		mg/Kg-dry	10	9/20/2021
Zinc	88	6.0		mg/Kg-dry	10	9/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 9/21/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	9/21/2021
Barium	ND	0.020		mg/L	2	9/21/2021
Beryllium	ND	0.0020		mg/L	2	9/22/2021
Cadmium	ND	0.0020		mg/L	2	9/21/2021
Chromium	ND	0.0040		mg/L	2	9/21/2021
Cobalt	ND	0.0040		mg/L	2	9/21/2021
Copper	ND	0.040		mg/L	2	9/21/2021
Iron	1.2	0.10		mg/L	2	9/21/2021
Lead	0.0067	0.0020		mg/L	2	9/21/2021
Manganese	0.0083	0.0040		mg/L	2	9/21/2021
Nickel	ND	0.0040		mg/L	2	9/21/2021
Selenium	ND	0.0040		mg/L	2	9/21/2021
Silver	ND	0.0040		mg/L	2	9/21/2021
Zinc	ND	0.020		mg/L	2	9/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 9/21/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	9/22/2021
Barium	0.24	0.050		mg/L	5	9/22/2021
Beryllium	ND	0.0050		mg/L	5	9/22/2021
Cadmium	ND	0.0050		mg/L	5	9/22/2021
Chromium	ND	0.010		mg/L	5	9/22/2021
Cobalt	ND	0.010		mg/L	5	9/22/2021
Copper	ND	0.10		mg/L	5	9/22/2021

**Qualifiers:**

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Date Reported: September 23, 2021

**ANALYTICAL RESULTS**

Date Printed: September 23, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-SED-03 (0-3.5)

Work Order: 21090433 Revision 0

Collection Date: 9/14/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO #45, La Grange Rd., Wi

Matrix: Soil

Lab ID: 21090433-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>JG</b>	
Iron	ND	0.25		mg/L	5	9/22/2021
Lead	ND	0.0050		mg/L	5	9/22/2021
Manganese	1.0	0.010		mg/L	5	9/22/2021
Nickel	0.019	0.010		mg/L	5	9/22/2021
Selenium	ND	0.010		mg/L	5	9/22/2021
Silver	ND	0.010		mg/L	5	9/22/2021
Zinc	0.18	0.050		mg/L	5	9/22/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>LB</b>	
Mercury	ND	0.00020		mg/L	1	9/21/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: <b>9/21/2021</b>		Analyst: <b>LB</b>	
Mercury	ND	0.00020		mg/L	1	9/21/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: <b>9/16/2021</b>		Analyst: <b>LB</b>	
Mercury	0.035	0.021		mg/Kg-dry	1	9/17/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: <b>9/20/2021</b>		Analyst: <b>EAA</b>	
pH	7.59			pH Units	1	9/20/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: <b>9/15/2021</b>		Analyst: <b>HYM</b>	
Percent Moisture	19.7	0.2	*	wt%	1	9/15/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-19

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.069		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0046		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0046		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0092		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.069		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.046		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0092		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0046		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0092		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.018		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0092		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0046		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.013		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-19

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>					Prep Date: 1/18/2021 Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	0.13	0.040		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	0.20	0.040		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	0.18	0.040		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	0.16	0.040		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	0.14	0.040		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Chrysene	0.13	0.040		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	0.084	0.040		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-19

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: TEM
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Fluoranthene	0.16	0.040		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	0.15	0.040		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenanthrene	0.050	0.040		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Pyrene	0.15	0.040		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.80		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/19/2021	Analyst: JG
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Antimony	ND	2.3		mg/Kg-dry	10	1/19/2021
Arsenic	7.3	1.1		mg/Kg-dry	10	1/19/2021
Barium	75	1.1		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.1		mg/Kg-dry	10	1/19/2021
Cadmium	ND	0.56		mg/Kg-dry	10	1/19/2021
Calcium	69000	68		mg/Kg-dry	10	1/19/2021
Chromium	22	1.1		mg/Kg-dry	10	1/19/2021

**Qualifiers:**  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-19

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	13	1.1		mg/Kg-dry	10	1/19/2021
Copper	24	2.8		mg/Kg-dry	10	1/19/2021
Iron	22000	34		mg/Kg-dry	10	1/19/2021
Lead	75	0.56		mg/Kg-dry	10	1/19/2021
Magnesium	31000	34		mg/Kg-dry	10	1/19/2021
Manganese	460	1.1		mg/Kg-dry	10	1/19/2021
Nickel	29	1.1		mg/Kg-dry	10	1/19/2021
Potassium	2100	34		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/19/2021
Silver	ND	1.1		mg/Kg-dry	10	1/19/2021
Sodium	1800	68		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/19/2021
Vanadium	26	1.1		mg/Kg-dry	10	1/19/2021
Zinc	71	5.6		mg/Kg-dry	10	1/19/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/21/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.0055	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	3.1	0.10		mg/L	2	1/21/2021
Lead	0.0042	0.0020		mg/L	2	1/21/2021
Manganese	0.014	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/19/2021
Barium	0.53	0.050		mg/L	5	1/19/2021
Beryllium	ND	0.0050		mg/L	5	1/19/2021
Cadmium	ND	0.0050		mg/L	5	1/19/2021
Chromium	ND	0.010		mg/L	5	1/19/2021
Cobalt	ND	0.010		mg/L	5	1/19/2021
Copper	ND	0.10		mg/L	5	1/19/2021

**Qualifiers:**  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-19

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/19/2021
Lead	ND	0.0050		mg/L	5	1/19/2021
Manganese	1.5	0.010		mg/L	5	1/19/2021
Nickel	ND	0.010		mg/L	5	1/19/2021
Selenium	ND	0.010		mg/L	5	1/19/2021
Silver	ND	0.010		mg/L	5	1/19/2021
Zinc	ND	0.050		mg/L	5	1/19/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.028	0.018		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	8.20			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.0	0.2	*	wt%	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-10

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP
Acetone	ND	0.066		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0044		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0044		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0088		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.066		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.044		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0088		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0044		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0088		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.017		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0088		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0044		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.013		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Acenaphthene	ND	0.35		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.35		mg/Kg-dry	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-10

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	3.6		mg/Kg-dry	1	1/19/2021
Anthracene	ND	0.35		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	ND	0.35		mg/Kg-dry	1	1/19/2021
Benzidine	ND	3.5		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	0.44	0.35		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	ND	0.35		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	0.51	0.35		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	ND	0.35		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	8.9		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021
Carbazole	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	3.5		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	1/19/2021
Chrysene	0.37	0.35		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	ND	0.35		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	1.8		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	1.8		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	3.5		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	8.9		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.35		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	8.9		mg/Kg-dry	1	1/19/2021

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-10

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 1/18/2021		Analyst: TEM	
Fluoranthene	0.55	0.35		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.35		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	1.8		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	ND	0.35		mg/Kg-dry	1	1/19/2021
Isophorone	ND	1.8		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	1.8		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.35		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	3.5		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.35		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.35		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.35		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.35		mg/Kg-dry	1	1/19/2021
Phenanthrene	0.42	0.35		mg/Kg-dry	1	1/19/2021
Phenol	ND	1.8		mg/Kg-dry	1	1/19/2021
Pyrene	0.59	0.35		mg/Kg-dry	1	1/19/2021
Pyridine	ND	7.2		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	1.8		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	1/19/2021

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 1/20/2021		Analyst: JG	
Antimony	ND	2.1		mg/Kg-dry	10	1/20/2021
Arsenic	1.8	1.1		mg/Kg-dry	10	1/20/2021
Barium	15	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	ND	0.53		mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.53		mg/Kg-dry	10	1/20/2021
Calcium	200000	630		mg/Kg-dry	100	1/21/2021
Chromium	22	1.1		mg/Kg-dry	10	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-10

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	2.0	1.1		mg/Kg-dry	10	1/20/2021
Copper	13	2.6		mg/Kg-dry	10	1/20/2021
Iron	5300	32		mg/Kg-dry	10	1/20/2021
Lead	9.9	0.53		mg/Kg-dry	10	1/20/2021
Magnesium	100000	32		mg/Kg-dry	10	1/20/2021
Manganese	420	1.1		mg/Kg-dry	10	1/20/2021
Nickel	7.1	1.1		mg/Kg-dry	10	1/20/2021
Potassium	700	32		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	440	63		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	20	1.1		mg/Kg-dry	10	1/20/2021
Zinc	35	5.3		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	ND	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	ND	0.10		mg/L	2	1/21/2021
Lead	ND	0.0020		mg/L	2	1/21/2021
Manganese	ND	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.087	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/21/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.012	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

**Qualifiers:**

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-10

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:45:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	1.9	0.010		mg/L	5	1/20/2021
Nickel	0.037	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	0.15	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.028	0.018		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	8.71			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	6.9	0.2	*	wt%	1	1/19/2021

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 \* - Non-accredited parameter

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 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-11

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.073		mg/Kg-dry	1	1/18/2021
Benzene	0.0064	0.0049		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.073		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0097		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: DM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
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 \* - Non-accredited parameter

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-11

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.40		mg/Kg-dry	1	1/19/2021
Anthracene	0.043	0.040		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	0.32	0.040		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	0.53	0.040		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	0.51	0.040		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	0.47	0.040		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	0.49	0.040		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Chrysene	0.47	0.040		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	0.18	0.040		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-11

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS SW8270D (SW3550B) Prep Date: 1/18/2021 Analyst: DM**

Fluoranthene	0.84	0.040		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	0.36	0.040		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/19/2021
Phenanthrene	0.32	0.040		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Pyrene	0.67	0.040		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.81		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021

**Metals by ICP/MS SW6020A (SW3050B) Prep Date: 1/20/2021 Analyst: JG**

Antimony	ND	2.2		mg/Kg-dry	10	1/20/2021
Arsenic	8.8	1.1		mg/Kg-dry	10	1/20/2021
Barium	32	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	ND	0.56		mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.56		mg/Kg-dry	10	1/20/2021
Calcium	120000	67		mg/Kg-dry	10	1/20/2021
Chromium	14	1.1		mg/Kg-dry	10	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-11

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	6.7	1.1		mg/Kg-dry	10	1/20/2021
Copper	20	2.8		mg/Kg-dry	10	1/20/2021
Iron	21000	33		mg/Kg-dry	10	1/20/2021
Lead	17	0.56		mg/Kg-dry	10	1/20/2021
Magnesium	59000	33		mg/Kg-dry	10	1/20/2021
Manganese	320	1.1		mg/Kg-dry	10	1/20/2021
Nickel	16	1.1		mg/Kg-dry	10	1/20/2021
Potassium	800	33		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	700	67		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	14	1.1		mg/Kg-dry	10	1/20/2021
Zinc	63	5.6		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.011	0.0040		mg/L	2	1/21/2021
Barium	0.037	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.019	0.0040		mg/L	2	1/21/2021
Cobalt	0.011	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	33	0.10		mg/L	2	1/21/2021
Lead	0.015	0.0020		mg/L	2	1/21/2021
Manganese	0.14	0.0040		mg/L	2	1/21/2021
Nickel	0.025	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	0.062	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.39	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	ND	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-11

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:50:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	1.8	0.010		mg/L	5	1/20/2021
Nickel	0.014	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.036	0.023		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.58			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.6	0.2	*	wt%	1	1/19/2021

**Qualifiers:**  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-18

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:15:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: JDT
Acetone	0.090	0.076		mg/Kg-dry	1	1/19/2021
Benzene	ND	0.0051		mg/Kg-dry	1	1/19/2021
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
Bromoform	ND	0.0051		mg/Kg-dry	1	1/19/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	1/19/2021
2-Butanone	ND	0.076		mg/Kg-dry	1	1/19/2021
Carbon disulfide	ND	0.051		mg/Kg-dry	1	1/19/2021
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	1/19/2021
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	1/19/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	1/19/2021
Chloroform	ND	0.0051		mg/Kg-dry	1	1/19/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	1/19/2021
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/19/2021
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/19/2021
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	1/19/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/19/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/19/2021
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	1/19/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/19/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/19/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/19/2021
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	1/19/2021
Styrene	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	1/19/2021
Toluene	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	1/19/2021
Trichloroethene	ND	0.0051		mg/Kg-dry	1	1/19/2021
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	1/19/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/19/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: DM
Acenaphthene	ND	0.043		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.043		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

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 S - Spike Recovery outside accepted recovery limits  
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 E - Value above quantitation range  
 H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-18

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:15:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.44		mg/Kg-dry	1	1/19/2021
Anthracene	0.059	0.043		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	0.22	0.043		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.43		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	0.30	0.043		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	0.38	0.043		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	0.28	0.043		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	0.21	0.043		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	1/19/2021
Chrysene	0.28	0.043		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	0.10	0.043		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.23		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

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R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-18

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:15:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS SW8270D (SW3550B) Prep Date: 1/18/2021 Analyst: DM**

Fluoranthene	0.50	0.043		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.043		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.23		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	0.22	0.043		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.23		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.23		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.23		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.043		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.043		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.043		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.043		mg/Kg-dry	1	1/19/2021
Phenanthrene	0.26	0.043		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.23		mg/Kg-dry	1	1/19/2021
Pyrene	0.41	0.043		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.88		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	1/19/2021

**Metals by ICP/MS SW6020A (SW3050B) Prep Date: 1/20/2021 Analyst: JG**

Antimony	ND	2.3		mg/Kg-dry	10	1/20/2021
Arsenic	5.6	1.1		mg/Kg-dry	10	1/20/2021
Barium	93	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	ND	0.57		mg/Kg-dry	10	1/20/2021
Cadmium	1.8	0.57		mg/Kg-dry	10	1/20/2021
Calcium	130000	68		mg/Kg-dry	10	1/20/2021
Chromium	50	1.1		mg/Kg-dry	10	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-18

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:15:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	6.0	1.1		mg/Kg-dry	10	1/20/2021
Copper	74	2.8		mg/Kg-dry	10	1/20/2021
Iron	15000	34		mg/Kg-dry	10	1/20/2021
Lead	63	0.57		mg/Kg-dry	10	1/20/2021
Magnesium	66000	34		mg/Kg-dry	10	1/20/2021
Manganese	350	1.1		mg/Kg-dry	10	1/20/2021
Nickel	21	1.1		mg/Kg-dry	10	1/20/2021
Potassium	1400	34		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	1.8	1.1		mg/Kg-dry	10	1/20/2021
Sodium	1800	68		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	18	1.1		mg/Kg-dry	10	1/20/2021
Zinc	190	5.7		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.013	0.0040		mg/L	2	1/22/2021
Barium	ND	0.020		mg/L	2	1/22/2021
Beryllium	ND	0.0020		mg/L	2	1/22/2021
Cadmium	ND	0.0020		mg/L	2	1/22/2021
Chromium	0.010	0.0040		mg/L	2	1/22/2021
Cobalt	ND	0.0040		mg/L	2	1/22/2021
Copper	ND	0.040		mg/L	2	1/22/2021
Iron	2.4	0.10		mg/L	2	1/22/2021
Lead	0.013	0.0020		mg/L	2	1/22/2021
Manganese	0.020	0.0040		mg/L	2	1/22/2021
Nickel	0.0061	0.0040		mg/L	2	1/22/2021
Selenium	ND	0.0040		mg/L	2	1/22/2021
Silver	ND	0.0040		mg/L	2	1/22/2021
Zinc	0.035	0.020		mg/L	2	1/22/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.015	0.010		mg/L	5	1/20/2021
Barium	0.21	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	0.013	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.034	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

**Qualifiers:**

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-18

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:15:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	0.0052	0.0050		mg/L	5	1/20/2021
Manganese	3.9	0.010		mg/L	5	1/20/2021
Nickel	0.074	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	1.4	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.087	0.024		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.82			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	24.8	0.2	*	wt%	1	1/21/2021

**Qualifiers:**  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded





# 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 178008-045A US 12/20/45 LaGrange Rd- PSI Office Phone Number, if available: 847-705-4122

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

3559V-1 (IDOT ROW along US 12/20/45 LaGrange Rd from I-294 to I-55)

City: Hodgkins, Justice, Willow Spri State: IL Zip Code: 60525

County: Cook Township: Lyons

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

Latitude: 41.7519 Longitude: - 87.86008  
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS  Map Interpolation  Photo Interpolation  Survey  Other

Google Earth - Approximate center of multiple addresses

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

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

Estimated Volume of debris (cu. Yd.): 592

### 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.

### 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 Fig 4-1 in the Final PSI Rpt and borings 3559-1-12(NB US12 54+90, 15 RT),3559-1-13(NB US12 45+25, 25 LT),3559-1-15(NB US12 45+00, 60 RT),3559-1-17(NB US12 43+95, 80 RT),3559-1-23(NB US12 30+40, 30 LT),3559-1-24(NB US12 29+90, 30 LT),3559-1-25(NB US12 29+40, 30 LT),3559-1-26(NB US12 28+85, 25 LT),3559-1-27(NB US12 28+35, 25 LT).

- 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 STAT Analysis Corporation report #21010275. 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.

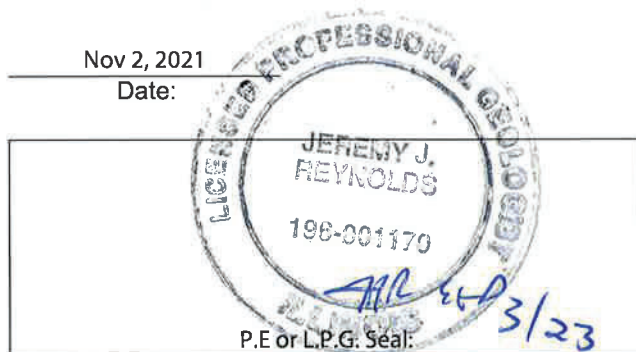
**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

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

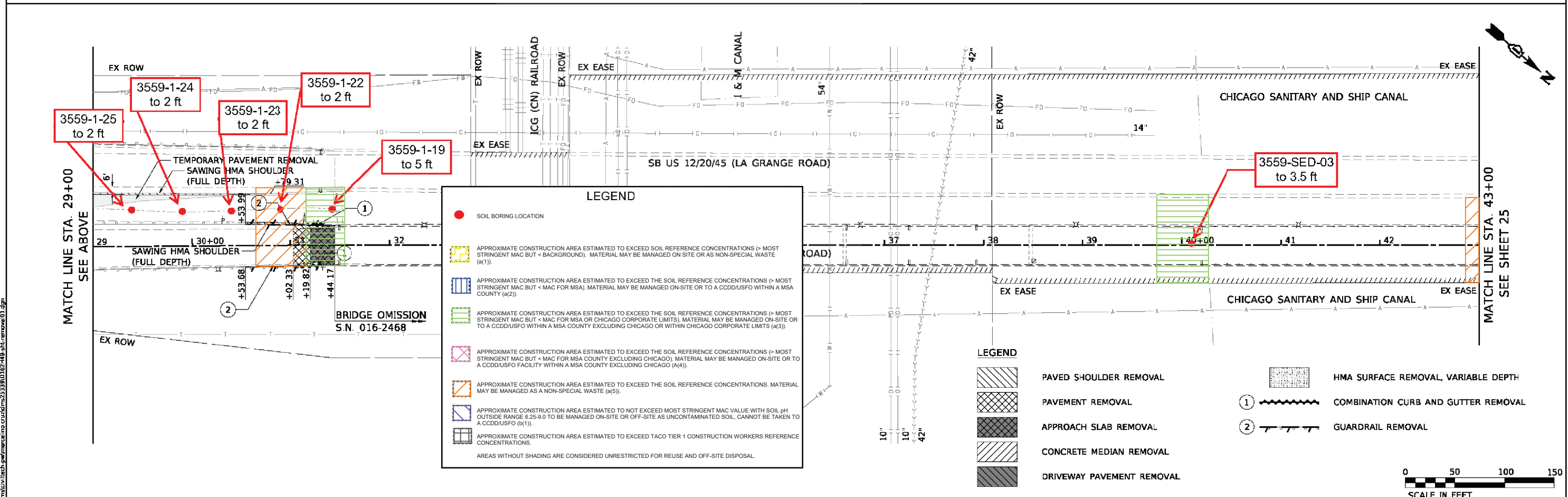
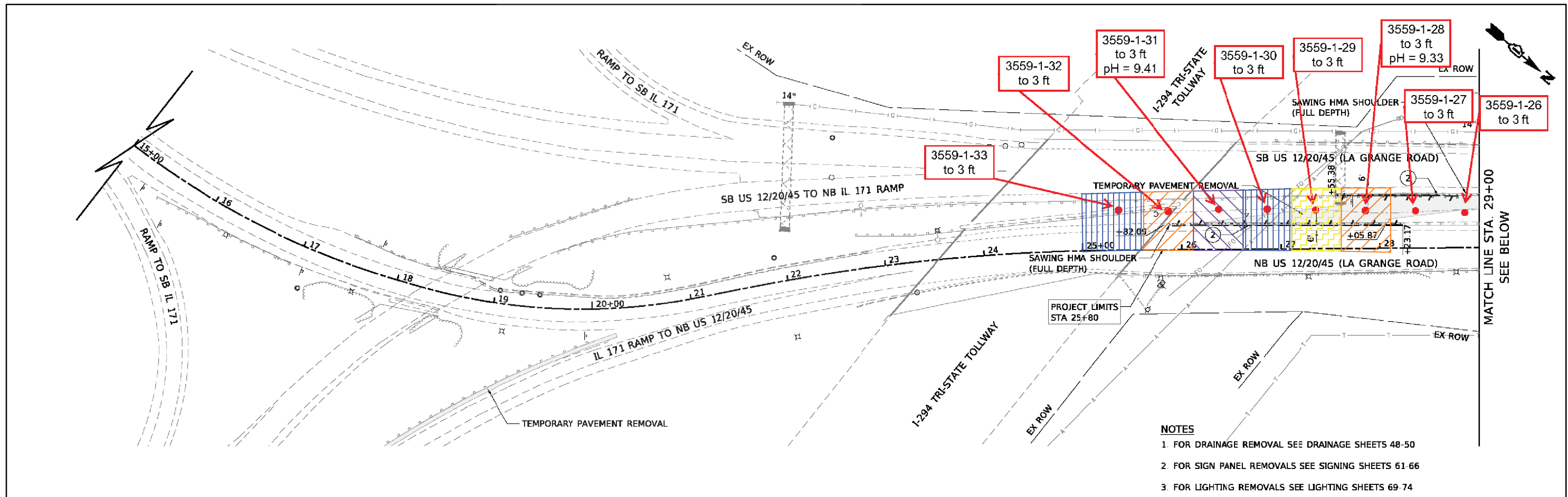
Jeremy J. Reynolds, P.G.  
Printed Name:

  
\_\_\_\_\_  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

Nov 2, 2021  
Date:







Two Pierce Place, Suite 1400  
 Naperville, Illinois 60143  
 Tel: 630 773 3900  
 Fax: 630 773 3975  
 www.civiltech.com

USER NAME = mc  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -  
 PLOT SCALE = 100 0000' / in  
 PLOT DATE = 10/29/2020

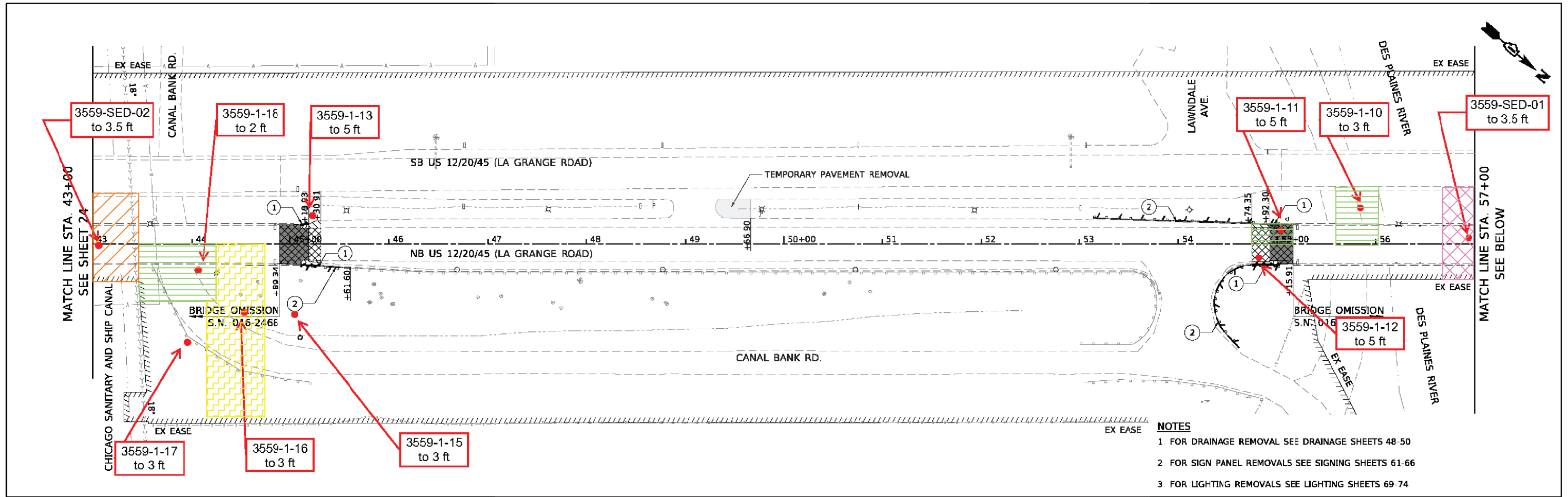
REVISOR -  
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DESIGNED -  
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 CHECKED -  
 DATE -

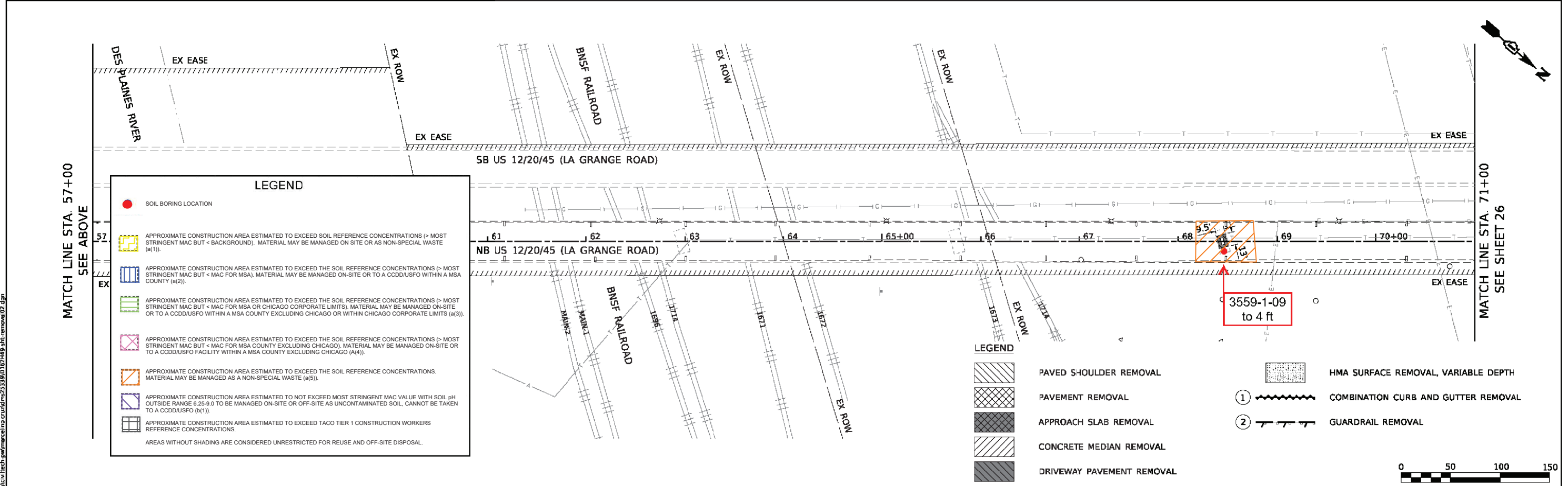
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

Figure 4-1.1 Extent of Potentially Impacted Soil Map  
 Huff & Huff, Inc. WO #45A  
 SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA 15+00 TO STA 43+00

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2018-133-BR	COOK	291	24
CONTRACT NO. 62H49			ILLINOIS FED. AID PROJECT	

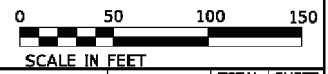


- NOTES**
1. FOR DRAINAGE REMOVAL SEE DRAINAGE SHEETS 48-50
  2. FOR SIGN PANEL REMOVALS SEE SIGNING SHEETS 61-66
  3. FOR LIGHTING REMOVALS SEE LIGHTING SHEETS 69-74

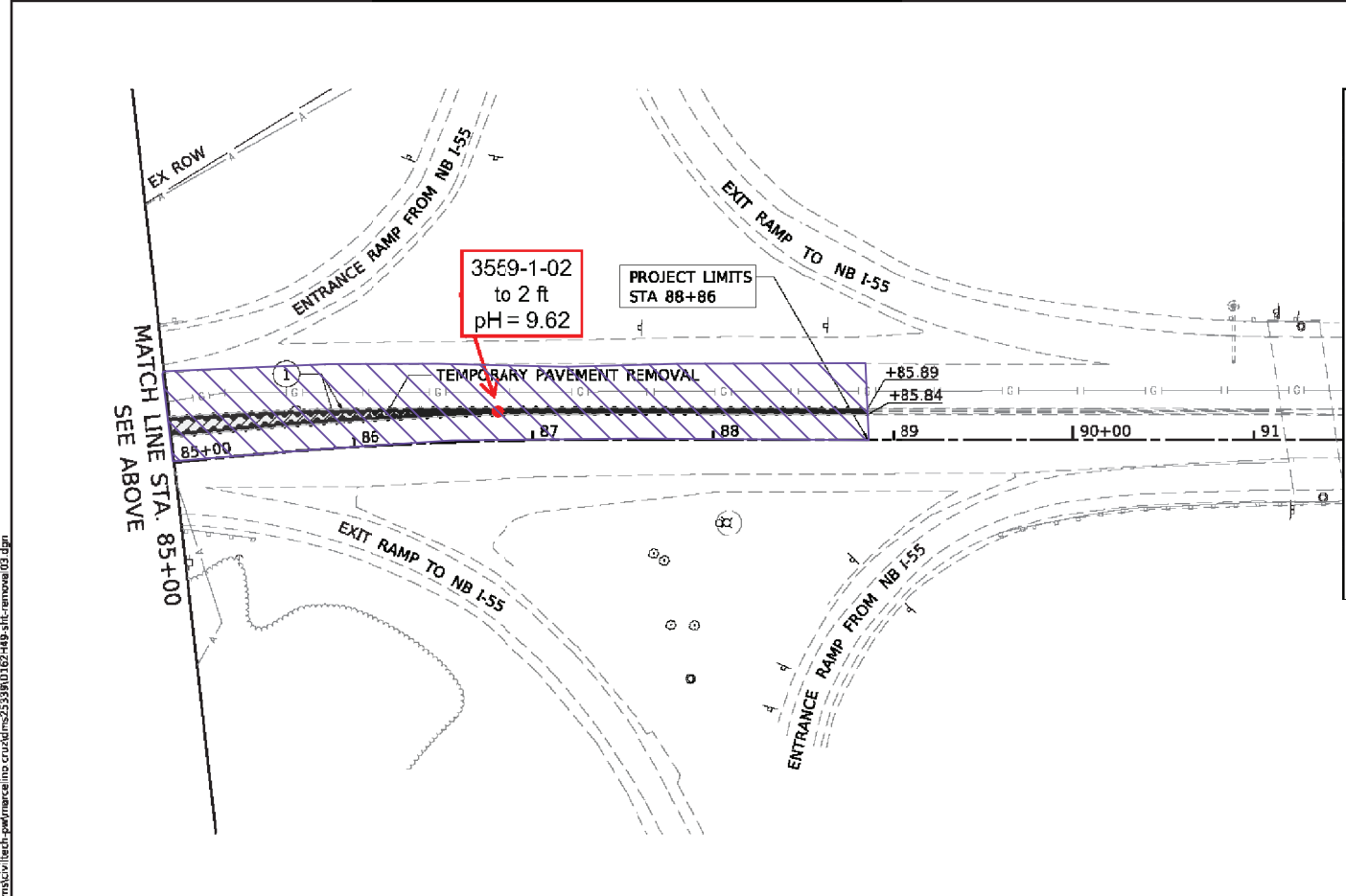
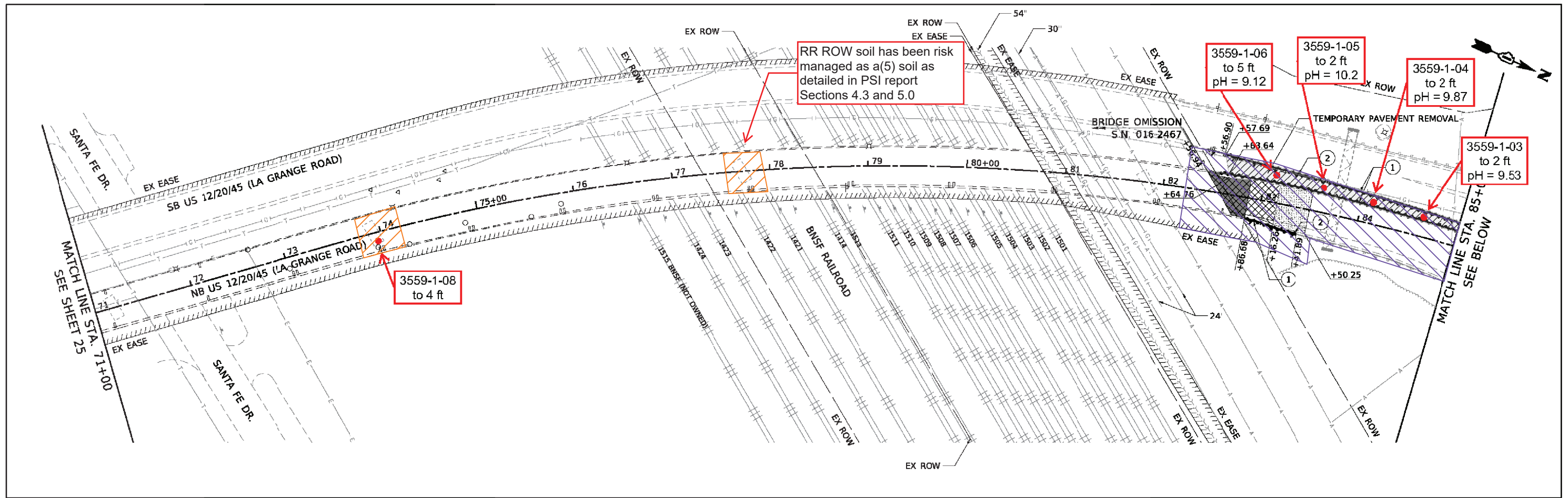


- LEGEND**
- SOIL BORING LOCATION
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON-SITE OR AS NON-SPECIAL WASTE (a(1)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY (a(2)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO OR WITHIN CHICAGO CORPORATE LIMITS (a(3)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO FACILITY WITHIN A MSA COUNTY EXCLUDING CHICAGO (a(4)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED AS A NON-SPECIAL WASTE (a(5)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO NOT EXCEED MOST STRINGENT MAC VALUE WITH SOIL pH OUTSIDE RANGE 6.25-9.0 TO BE MANAGED ON-SITE OR OFF-SITE AS UNCONTAMINATED SOIL. CANNOT BE TAKEN TO A CCDDIUSFO (b(1)).
  - APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED TACO TIER 1 CONSTRUCTION WORKERS REFERENCE CONCENTRATIONS.
- AREAS WITHOUT SHADING ARE CONSIDERED UNRESTRICTED FOR REUSE AND OFF-SITE DISPOSAL.

- LEGEND**
- ▨ PAVED SHOULDER REMOVAL
  - ▨ PAVEMENT REMOVAL
  - ▨ APPROACH SLAB REMOVAL
  - ▨ CONCRETE MEDIAN REMOVAL
  - ▨ DRIVEWAY PAVEMENT REMOVAL
  - ▨ HMA SURFACE REMOVAL, VARIABLE DEPTH
  - ① COMBINATION CURB AND GUTTER REMOVAL
  - ② GUARDRAIL REMOVAL



<p>Two Pierce Place, Suite 1400 Napoca, Illinois 60143 Tel: 830 773 3800 Fax: 830 773 3975 www.civiltechinc.com</p>	USER NAME = mc PLOT SCALE = 100 0000' / in PLOT DATE = 10/29/2020	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>Figure 4-1.2 Extent of Potentially Impacted Soil Map</b> Huff & Huff, Inc. WO #45A SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA 43+00 TO STA 71+00	F.A.P. RTE. 330 SECTION 2018-133-BR COUNTY COOK TOTAL SHEETS 291 SHEET NO. 25 CONTRACT NO. 62H49 ILLINOIS FED. AID PROJECT
	ILLINOIS FED. AID PROJECT					



**LEGEND**

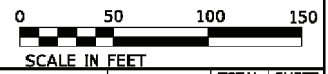
- SOIL BORING LOCATION
- [Yellow hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON SITE OR AS NON-SPECIAL WASTE (a(1)).
- [Blue hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY (a(2)).
- [Green hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA OR CHICAGO CORPORATE LIMITS). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO OR WITHIN CHICAGO CORPORATE LIMITS (a(3)).
- [Pink hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA COUNTY EXCLUDING CHICAGO). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDIUSFO WITHIN A MSA COUNTY EXCLUDING CHICAGO (A(4)).
- [Orange hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS. MATERIAL MAY BE MANAGED AS A NON-SPECIAL WASTE (a(5)).
- [Purple hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO NOT EXCEED MOST STRINGENT MAC VALUE WITH SOIL pH OUTSIDE RANGE 6.25-9.0 TO BE MANAGED ON-SITE OR OFF-SITE AS UNCONTAMINATED SOIL. CANNOT BE TAKEN TO A CCDDIUSFO (b(1)).
- [Grey hatched] APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED TACO TIER 1 CONSTRUCTION WORKERS REFERENCE CONCENTRATIONS.

AREAS WITHOUT SHADING ARE CONSIDERED UNRESTRICTED FOR REUSE AND OFF-SITE DISPOSAL.

**LEGEND**

- [Diagonal lines] PAVED SHOULDER REMOVAL
- [Cross-hatch] PAVEMENT REMOVAL
- [Dark grey] APPROACH SLAB REMOVAL
- [Light grey] CONCRETE MEDIAN REMOVAL
- [Dark grey] DRIVEWAY PAVEMENT REMOVAL
- [Stippled] HMA SURFACE REMOVAL, VARIABLE DEPTH
- ① [Wavy line] COMBINATION CURB AND GUTTER REMOVAL
- ② [Dashed line] GUARDRAIL REMOVAL

- NOTES**
- FOR DRAINAGE REMOVAL SEE DRAINAGE SHEETS 48-50
  - FOR SIGN PANEL REMOVALS SEE SIGNING SHEETS 61-66
  - FOR LIGHTING REMOVALS SEE LIGHTING SHEETS 69-74



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USER NAME = mc	DESIGNED -	REVISED -
PLOT SCALE = 100 0000' / in	DRAWN -	REVISED -
PLOT DATE = 10/29/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

Figure 4-1.3 Extent of Potentially Impacted Soil Map  
 Huff & Huff, Inc. WO #45A

F.A.P. RTE. 330	SECTION 2018-133-BR	COUNTY COOK	TOTAL SHEETS 291	SHEET NO. 26
SCALE: 1" = 50'			CONTRACT NO. 62H49	



LPC-663 Results  
 Soils for Reuse or Unrestricted Disposal at CCDD Facilities  
 IDOT, District One  
 US 12/20/45(LaGrange Rd) from I-294 to I-55  
 BDE Sequence No.: 20285  
 PTB: 178-008 / H-1, Work Order No.: 045A

Boring ID Sample Depth, ft Sample Date Excavation Area(s) [ISGS Site No.(s)]	Soil Reference Concentrations <sup>a/</sup>	Soil Remediation Objective for Construction Workers <sup>b/</sup>	Soil Remediation Objective for Residential Exposure <sup>c/</sup>	3559-1-12	3559-DUP3 (3559-1-12)	3559-1-13	3559-DUP2 (3559-1-13)	3559-1-15	3559-1-17	3559-1-23	3559-1-24	3559-DUP1 (3559-1-24)	3559-1-25	3559-1-26	3559-1-27		
				(0-5)	(0-5)	(0-5)	(0-5)	(0-3)	(0-3)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-3)
				01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021
Parameter	3559-1																
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	7.57	7.28	7.85	7.69	7.89	7.53	7.77	7.76	7.74	8.1	8.24	8.83		
VOCs, mg/kg				NO EXCEEDANCES													
SVOCs, mg/kg				NO EXCEEDANCES													
Total Metals, mg/kg																	
Antimony	5	82	31	< 2.0	< 2.0	< 2.2	< 2.2	< 2.2	< 2.0	< 2.0	< 2.1	< 2.1	< 2.0	< 2.2	< 2.1		
Arsenic	11.3 / 13	61	13	11	10	8.6	8	11	8.5	8.4	9	6.6	6.9	9.3	10		
Barium	1,500	14,000	5500	73	67	120	130	92	110	63	69	45	91	80	200		
Beryllium	22	410	160	0.87	0.92	< 1.1	0.81	0.92	1.4	< 1.0	< 1.1	0.6	< 1.0	< 1.1	< 1.1		
Cadmium	5.2	200	78	< 0.50	< 0.51	0.89	0.96	0.67	< 0.49	< 0.51	< 0.53	< 0.53	< 0.51	0.72	< 0.53		
Calcium	---	---	---	47000	58000	27000	12000	49000	21000	51000	18000	59000	36000	48000	38000		
Chromium	21	690	230	25	26	28	27	30	32	23	28	21	16	21	21		
Cobalt	20	12,000	4700	13	16	12	9.8	25	14	13	14	11	8.5	10	16		
Copper	2,900	8,200	2900	29	30	30	29	32	29	29	31	23	33	31	34		
Iron	15,000 / 15,900	---	---	28000	28000	25000	22000	29000	31000	25000	29000	22000	18000	23000	27000		
Lead	107	700	400	17	17	33	33	23	22	16	18	11	53	60	76		
Magnesium	325,000	730,000	325000	23000	26000	16000	7600	23000	13000	25000	12000	26000	19000	25000	20000		
Manganese	630 / 636	4,100	1600	430	580	350	270	940	300	420	300	360	410	450	830		
Mercury	0.89	0.1	10	0.034	0.019	0.11	0.06	0.089	0.027	0.021	0.029	0.042	0.032	0.057	0.043		
Nickel	100	4,100	1600	37	40	29	25	45	45	35	38	28	21	26	31		
Potassium	---	---	---	2200	2900	1600	1700	2400	2600	2200	2400	2500	1200	1600	1700		
Selenium	1.3	1,000	390	< 0.99	< 1.0	< 1.1	< 1.1	< 1.1	< 0.99	< 1.0	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1		
Silver	4.4	1,000	390	< 0.99	< 1.0	< 1.1	< 1.1	< 1.1	< 0.99	< 1.0	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1		
Sodium	---	---	---	1200	1000	2500	2400	340	840	1500	2000	1100	780	2500	2300		
Thallium	2.6	160	6.3	< 0.99	< 1.0	< 1.1	< 1.1	< 1.1	< 0.99	< 1.0	< 1.1	< 1.1	< 1.0	< 1.1	< 1.1		
Vanadium	550	1,400	550	29	30	31	31	31	38	25	34	23	21	26	27		
Zinc	5,100	61,000	23000	63	63	80	84	69	72	61	72	47	87	91	98		
TCLP Metals, mg/L	Class I Groundwater <sup>d/</sup>																
Arsenic	0.05			< 0.010	< 0.010	0.025	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Barium	2			0.47	0.53	0.82	0.82	0.6	0.29	0.15	0.15	0.26	0.83	0.27	1.4		
Beryllium	0.004			< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050		
Cadmium	0.005			< 0.0050	< 0.0050	0.006	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050		
Chromium	0.1			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Cobalt	1			0.011	0.016	0.036	0.021	< 0.010	0.012	< 0.010	0.02	< 0.010	< 0.010	< 0.010	< 0.010		
Copper	0.65			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Iron	5			< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25		
Lead	0.0075			< 0.0050	< 0.0050	0.015	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050		
Manganese	0.15			4.2	4.6	5.5	6.1	0.49	3.2	0.65	2.3	1.4	1.4	2.3	2.1		
Mercury	0.002			< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020		
Nickel	0.1			0.019	0.02	0.035	0.019	< 0.010	0.019	0.017	0.025	0.017	0.011	0.011	0.015		
Selenium	0.05			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Silver	0.05			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010		
Zinc	5			< 0.050	< 0.050	0.18	0.051	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
SPLP Metals, mg/L	Class I Groundwater <sup>d/</sup>																
Arsenic	0.05			< 0.0040	< 0.0040	0.0042	0.0091	0.0052	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.016	< 0.0040		
Barium	2			< 0.020	< 0.020	< 0.020	0.034	0.028	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.058	< 0.020		
Beryllium	0.004			< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020		
Cadmium	0.005			< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020		
Chromium	0.1			< 0.0040	< 0.0040	0.0055	0.014	0.011	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0052	0.02	0.007		
Cobalt	1			< 0.0040	< 0.0040	< 0.0040	0.0045	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0052	< 0.0040		
Copper	0.65			< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040		
Iron	5			< 0.10	< 0.10	2.7	10	7	< 0.10	0.22	0.92	< 0.10	1.8	14	3.4		
Lead	0.0075			< 0.0020	< 0.0020	0.0033	0.017	0.0049	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0031	0.022	0.0056		
Manganese	0.15			< 0.0040	0.0045	0.021	0.094	0.033	< 0.0040	< 0.0040	0.0051	0.0056	0.008	0.1	0.019		
Mercury	0.002			< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020		
Nickel	0.1			< 0.0040	< 0.0040	0.0043	0.014	0.0092	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.019	< 0.0040		
Selenium	0.05			< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040		
Silver	0.05			< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040		
Zinc	5			< 0.020	< 0.020	< 0.020	0.038	0.026	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.069	< 0.020		

--- - Refers to not applicable or value not available


<sup>a/</sup> Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.

Organic Soil Reference Concentrations (XX.XX / XX.XX / XX.XX) Include the Most Stringent Values from the MAC Table / The Chicago Corporate Limit / and The MSA County Excluding Chicago Values From the MAC Table.

<sup>b/</sup> Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

<sup>c/</sup> Soil Remediation Objective for Residential exposure, most stringent of the Ingestion or Inhalation exposure route.

<sup>d/</sup> Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater.

**Bold** indicates concentration detected  
 Shaded values indicate concentration exceeds reference concentration

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-23

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.072		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.048		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0097		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/18/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

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 S - Spike Recovery outside accepted recovery limits  
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 E - Value above quantitation range  
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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-23

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Chrysene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-23

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Semivolatile Organic Compounds by GC/MS SW8270D (SW3550B) Prep Date: 1/18/2021 Analyst: TEM**

Fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.81		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021

**Metals by ICP/MS SW6020A (SW3050B) Prep Date: 1/19/2021 Analyst: JG**

Antimony	ND	2.0		mg/Kg-dry	10	1/19/2021
Arsenic	8.4	1.0		mg/Kg-dry	10	1/19/2021
Barium	63	1.0		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.0		mg/Kg-dry	10	1/19/2021
Cadmium	ND	0.51		mg/Kg-dry	10	1/19/2021
Calcium	51000	61		mg/Kg-dry	10	1/19/2021
Chromium	23	1.0		mg/Kg-dry	10	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-23

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	13	1.0		mg/Kg-dry	10	1/19/2021
Copper	29	2.5		mg/Kg-dry	10	1/19/2021
Iron	25000	30		mg/Kg-dry	10	1/19/2021
Lead	16	0.51		mg/Kg-dry	10	1/19/2021
Magnesium	25000	30		mg/Kg-dry	10	1/19/2021
Manganese	420	1.0		mg/Kg-dry	10	1/19/2021
Nickel	35	1.0		mg/Kg-dry	10	1/19/2021
Potassium	2200	30		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.0		mg/Kg-dry	10	1/19/2021
Silver	ND	1.0		mg/Kg-dry	10	1/19/2021
Sodium	1500	61		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.0		mg/Kg-dry	10	1/19/2021
Vanadium	25	1.0		mg/Kg-dry	10	1/19/2021
Zinc	61	5.1		mg/Kg-dry	10	1/19/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/21/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	ND	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	0.22	0.10		mg/L	2	1/21/2021
Lead	ND	0.0020		mg/L	2	1/21/2021
Manganese	ND	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/19/2021
Barium	0.15	0.050		mg/L	5	1/19/2021
Beryllium	ND	0.0050		mg/L	5	1/19/2021
Cadmium	ND	0.0050		mg/L	5	1/19/2021
Chromium	ND	0.010		mg/L	5	1/19/2021
Cobalt	ND	0.010		mg/L	5	1/19/2021
Copper	ND	0.10		mg/L	5	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-23

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/19/2021
Lead	ND	0.0050		mg/L	5	1/19/2021
Manganese	0.65	0.010		mg/L	5	1/19/2021
Nickel	0.017	0.010		mg/L	5	1/19/2021
Selenium	ND	0.010		mg/L	5	1/19/2021
Silver	ND	0.010		mg/L	5	1/19/2021
Zinc	ND	0.050		mg/L	5	1/19/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.021	0.020		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	7.77			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.2	0.2	*	wt%	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-24

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:00:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.073		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.073		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0097		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/18/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-24

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:00:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Chrysene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

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S - Spike Recovery outside accepted recovery limits

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R - RPD outside accepted recovery limits

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-24

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:00:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.81		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/19/2021		Analyst: JG
Antimony	ND	2.1		mg/Kg-dry	10	1/19/2021
Arsenic	9.0	1.1		mg/Kg-dry	10	1/19/2021
Barium	69	1.1		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.1		mg/Kg-dry	10	1/19/2021
Cadmium	ND	0.53		mg/Kg-dry	10	1/19/2021
Calcium	18000	63		mg/Kg-dry	10	1/19/2021
Chromium	28	1.1		mg/Kg-dry	10	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-24

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:00:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/19/2021		Analyst: JG
Cobalt	14	1.1		mg/Kg-dry	10	1/19/2021
Copper	31	2.6		mg/Kg-dry	10	1/19/2021
Iron	29000	32		mg/Kg-dry	10	1/19/2021
Lead	18	0.53		mg/Kg-dry	10	1/19/2021
Magnesium	12000	32		mg/Kg-dry	10	1/19/2021
Manganese	300	1.1		mg/Kg-dry	10	1/19/2021
Nickel	38	1.1		mg/Kg-dry	10	1/19/2021
Potassium	2400	32		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/19/2021
Silver	ND	1.1		mg/Kg-dry	10	1/19/2021
Sodium	2000	63		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/19/2021
Vanadium	34	1.1		mg/Kg-dry	10	1/19/2021
Zinc	72	5.3		mg/Kg-dry	10	1/19/2021
<b>SPLP Metals by ICP/MS</b>		<b>SW1312/6020A (SW3005A)</b>		Prep Date: 1/21/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	ND	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	0.92	0.10		mg/L	2	1/21/2021
Lead	ND	0.0020		mg/L	2	1/21/2021
Manganese	0.0051	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021
<b>TCLP Metals by ICP/MS</b>		<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	1/19/2021
Barium	0.15	0.050		mg/L	5	1/19/2021
Beryllium	ND	0.0050		mg/L	5	1/19/2021
Cadmium	ND	0.0050		mg/L	5	1/19/2021
Chromium	ND	0.010		mg/L	5	1/19/2021
Cobalt	0.020	0.010		mg/L	5	1/19/2021
Copper	ND	0.10		mg/L	5	1/19/2021

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-24

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:00:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/19/2021
Lead	ND	0.0050		mg/L	5	1/19/2021
Manganese	2.3	0.010		mg/L	5	1/19/2021
Nickel	0.025	0.010		mg/L	5	1/19/2021
Selenium	ND	0.010		mg/L	5	1/19/2021
Silver	ND	0.010		mg/L	5	1/19/2021
Zinc	ND	0.050		mg/L	5	1/19/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.029	0.021		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	7.76			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.8	0.2	*	wt%	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-1

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-029

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: <b>CBG</b>
Acetone	ND	0.066		mg/Kg-dry	1	1/19/2021
Benzene	ND	0.0044		mg/Kg-dry	1	1/19/2021
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
Bromoform	ND	0.0044		mg/Kg-dry	1	1/19/2021
Bromomethane	ND	0.0088		mg/Kg-dry	1	1/19/2021
2-Butanone	ND	0.066		mg/Kg-dry	1	1/19/2021
Carbon disulfide	ND	0.044		mg/Kg-dry	1	1/19/2021
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	1/19/2021
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	1/19/2021
Chloroethane	ND	0.0088		mg/Kg-dry	1	1/19/2021
Chloroform	ND	0.0044		mg/Kg-dry	1	1/19/2021
Chloromethane	ND	0.0088		mg/Kg-dry	1	1/19/2021
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/19/2021
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/19/2021
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	1/19/2021
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	1/19/2021
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	1/19/2021
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	1/19/2021
2-Hexanone	ND	0.017		mg/Kg-dry	1	1/19/2021
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	1/19/2021
Methylene chloride	ND	0.0088		mg/Kg-dry	1	1/19/2021
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	1/19/2021
Styrene	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	1/19/2021
Toluene	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	1/19/2021
Trichloroethene	ND	0.0044		mg/Kg-dry	1	1/19/2021
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	1/19/2021
Xylenes, Total	ND	0.013		mg/Kg-dry	1	1/19/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: <b>DM</b>
Acenaphthene	ND	0.037		mg/Kg-dry	1	1/20/2021
Acenaphthylene	ND	0.037		mg/Kg-dry	1	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-1

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-029

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.38		mg/Kg-dry	1	1/20/2021
Anthracene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benzidine	ND	0.37		mg/Kg-dry	1	1/20/2021
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	1/20/2021
Benzoic acid	ND	0.95		mg/Kg-dry	1	1/20/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-ethylhexyl)phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Butyl benzyl phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	1/20/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/20/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Chrysene	ND	0.037		mg/Kg-dry	1	1/20/2021
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	1/20/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/20/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/20/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Diethyl phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Dimethyl phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	1/20/2021
2,4-Dinitrophenol	ND	0.95		mg/Kg-dry	1	1/20/2021
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	1/20/2021
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	1/20/2021
Di-n-butyl phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021
Di-n-octyl phthalate	ND	0.95		mg/Kg-dry	1	1/20/2021

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-1

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-029

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)	Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	ND	0.037	mg/Kg-dry	1	1/20/2021
Fluorene	ND	0.037	mg/Kg-dry	1	1/20/2021
Hexachlorobenzene	ND	0.20	mg/Kg-dry	1	1/20/2021
Hexachlorobutadiene	ND	0.20	mg/Kg-dry	1	1/20/2021
Hexachlorocyclopentadiene	ND	0.20	mg/Kg-dry	1	1/20/2021
Hexachloroethane	ND	0.20	mg/Kg-dry	1	1/20/2021
Indeno(1,2,3-cd)pyrene	ND	0.037	mg/Kg-dry	1	1/20/2021
Isophorone	ND	0.20	mg/Kg-dry	1	1/20/2021
2-Methylnaphthalene	ND	0.20	mg/Kg-dry	1	1/20/2021
2-Methylphenol	ND	0.20	mg/Kg-dry	1	1/20/2021
4-Methylphenol	ND	0.20	mg/Kg-dry	1	1/20/2021
Naphthalene	ND	0.037	mg/Kg-dry	1	1/20/2021
2-Nitroaniline	ND	0.20	mg/Kg-dry	1	1/20/2021
3-Nitroaniline	ND	0.20	mg/Kg-dry	1	1/20/2021
4-Nitroaniline	ND	0.20	mg/Kg-dry	1	1/20/2021
2-Nitrophenol	ND	0.20	mg/Kg-dry	1	1/20/2021
4-Nitrophenol	ND	0.37	mg/Kg-dry	1	1/20/2021
Nitrobenzene	ND	0.037	mg/Kg-dry	1	1/20/2021
N-Nitrosodi-n-propylamine	ND	0.037	mg/Kg-dry	1	1/20/2021
N-Nitrosodimethylamine	ND	0.20	mg/Kg-dry	1	1/20/2021
N-Nitrosodiphenylamine	ND	0.037	mg/Kg-dry	1	1/20/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20	mg/Kg-dry	1	1/20/2021
Pentachlorophenol	ND	0.037	mg/Kg-dry	1	1/20/2021
Phenanthrene	ND	0.037	mg/Kg-dry	1	1/20/2021
Phenol	ND	0.20	mg/Kg-dry	1	1/20/2021
Pyrene	ND	0.037	mg/Kg-dry	1	1/20/2021
Pyridine	ND	0.76	mg/Kg-dry	1	1/20/2021
1,2,4-Trichlorobenzene	ND	0.20	mg/Kg-dry	1	1/20/2021
2,4,5-Trichlorophenol	ND	0.20	mg/Kg-dry	1	1/20/2021
2,4,6-Trichlorophenol	ND	0.20	mg/Kg-dry	1	1/20/2021

Metals by ICP/MS	SW6020A (SW3050B)	Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.1	mg/Kg-dry	10	1/20/2021
Arsenic	6.6	1.1	mg/Kg-dry	10	1/20/2021
Barium	45	1.1	mg/Kg-dry	10	1/20/2021
Beryllium	0.60	0.53	mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.53	mg/Kg-dry	10	1/20/2021
Calcium	59000	63	mg/Kg-dry	10	1/20/2021
Chromium	21	1.1	mg/Kg-dry	10	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-1

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-029

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/20/2021		Analyst: JG
Cobalt	11	1.1		mg/Kg-dry	10	1/20/2021
Copper	23	2.6		mg/Kg-dry	10	1/20/2021
Iron	22000	32		mg/Kg-dry	10	1/20/2021
Lead	11	0.53		mg/Kg-dry	10	1/20/2021
Magnesium	26000	32		mg/Kg-dry	10	1/20/2021
Manganese	360	1.1		mg/Kg-dry	10	1/20/2021
Nickel	28	1.1		mg/Kg-dry	10	1/20/2021
Potassium	2500	32		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	1100	63		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	23	1.1		mg/Kg-dry	10	1/20/2021
Zinc	47	5.3		mg/Kg-dry	10	1/20/2021
<b>SPLP Metals by ICP/MS</b>		<b>SW1312/6020A (SW3005A)</b>		Prep Date: 1/20/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	1/22/2021
Barium	ND	0.020		mg/L	2	1/22/2021
Beryllium	ND	0.0020		mg/L	2	1/22/2021
Cadmium	ND	0.0020		mg/L	2	1/22/2021
Chromium	ND	0.0040		mg/L	2	1/22/2021
Cobalt	ND	0.0040		mg/L	2	1/22/2021
Copper	ND	0.040		mg/L	2	1/22/2021
Iron	ND	0.10		mg/L	2	1/22/2021
Lead	ND	0.0020		mg/L	2	1/22/2021
Manganese	0.0056	0.0040		mg/L	2	1/22/2021
Nickel	ND	0.0040		mg/L	2	1/22/2021
Selenium	ND	0.0040		mg/L	2	1/22/2021
Silver	ND	0.0040		mg/L	2	1/22/2021
Zinc	ND	0.020		mg/L	2	1/22/2021
<b>TCLP Metals by ICP/MS</b>		<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/20/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.26	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	ND	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

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S - Spike Recovery outside accepted recovery limits

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HT - Sample received past holding time

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-1

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-029

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/20/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	1.4	0.010		mg/L	5	1/20/2021
Nickel	0.017	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.042	0.023		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.74			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	13.7	0.2	*	wt%	1	1/21/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-25

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.072		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0095		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.048		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0095		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0095		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0095		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-25

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>					Prep Date: 1/18/2021 Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	0.058	0.040		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	0.041	0.040		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/18/2021
Chrysene	0.044	0.040		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

**Qualifiers:**

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 \* - Non-accredited parameter

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-25

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Fluoranthene	0.075	0.040		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/18/2021
Pyrene	0.067	0.040		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.80		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/18/2021
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/19/2021		Analyst: JG
Antimony	ND	2.0		mg/Kg-dry	10	1/19/2021
Arsenic	6.9	1.0		mg/Kg-dry	10	1/19/2021
Barium	91	1.0		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.0		mg/Kg-dry	10	1/19/2021
Cadmium	ND	0.51		mg/Kg-dry	10	1/19/2021
Calcium	36000	61		mg/Kg-dry	10	1/19/2021
Chromium	16	1.0		mg/Kg-dry	10	1/19/2021

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**Qualifiers:**

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R - RPD outside accepted recovery limits

HT - Sample received past holding time

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-25

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	8.5	1.0		mg/Kg-dry	10	1/19/2021
Copper	33	2.5		mg/Kg-dry	10	1/19/2021
Iron	18000	30		mg/Kg-dry	10	1/19/2021
Lead	53	0.51		mg/Kg-dry	10	1/19/2021
Magnesium	19000	30		mg/Kg-dry	10	1/19/2021
Manganese	410	1.0		mg/Kg-dry	10	1/19/2021
Nickel	21	1.0		mg/Kg-dry	10	1/19/2021
Potassium	1200	30		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.0		mg/Kg-dry	10	1/19/2021
Silver	ND	1.0		mg/Kg-dry	10	1/19/2021
Sodium	780	61		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.0		mg/Kg-dry	10	1/19/2021
Vanadium	21	1.0		mg/Kg-dry	10	1/19/2021
Zinc	87	5.1		mg/Kg-dry	10	1/19/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/21/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.0052	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	1.8	0.10		mg/L	2	1/21/2021
Lead	0.0031	0.0020		mg/L	2	1/21/2021
Manganese	0.0080	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/19/2021
Barium	0.83	0.050		mg/L	5	1/19/2021
Beryllium	ND	0.0050		mg/L	5	1/19/2021
Cadmium	ND	0.0050		mg/L	5	1/19/2021
Chromium	ND	0.010		mg/L	5	1/19/2021
Cobalt	ND	0.010		mg/L	5	1/19/2021
Copper	ND	0.10		mg/L	5	1/19/2021

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-25

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:05:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/19/2021
Lead	ND	0.0050		mg/L	5	1/19/2021
Manganese	1.4	0.010		mg/L	5	1/19/2021
Nickel	0.011	0.010		mg/L	5	1/19/2021
Selenium	ND	0.010		mg/L	5	1/19/2021
Silver	ND	0.010		mg/L	5	1/19/2021
Zinc	ND	0.050		mg/L	5	1/19/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.032	0.023		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	8.10			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.2	0.2	*	wt%	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-27

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:10:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.067		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0045		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0045		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0090		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.067		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.045		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0090		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0045		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0090		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.018		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0090		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0045		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.013		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-27

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:10:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	0.067	0.040		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.40		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	0.070	0.040		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	0.062	0.040		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	0.041	0.040		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	0.061	0.040		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Chrysene	0.066	0.040		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

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Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:10:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Fluoranthene	0.13	0.040		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.040		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	0.042	0.040		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	1/18/2021
Phenanthrene	0.078	0.040		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Pyrene	0.12	0.040		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.81		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/19/2021		Analyst: JG
Antimony	ND	2.1		mg/Kg-dry	10	1/19/2021
Arsenic	10	1.1		mg/Kg-dry	10	1/19/2021
Barium	200	1.1		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.1		mg/Kg-dry	10	1/19/2021
Cadmium	ND	0.53		mg/Kg-dry	10	1/19/2021
Calcium	38000	64		mg/Kg-dry	10	1/19/2021
Chromium	21	1.1		mg/Kg-dry	10	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-27

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:10:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	16	1.1		mg/Kg-dry	10	1/19/2021
Copper	34	2.7		mg/Kg-dry	10	1/19/2021
Iron	27000	32		mg/Kg-dry	10	1/19/2021
Lead	76	0.53		mg/Kg-dry	10	1/19/2021
Magnesium	20000	32		mg/Kg-dry	10	1/19/2021
Manganese	830	1.1		mg/Kg-dry	10	1/19/2021
Nickel	31	1.1		mg/Kg-dry	10	1/19/2021
Potassium	1700	32		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/19/2021
Silver	ND	1.1		mg/Kg-dry	10	1/19/2021
Sodium	2300	64		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/19/2021
Vanadium	27	1.1		mg/Kg-dry	10	1/19/2021
Zinc	98	5.3		mg/Kg-dry	10	1/19/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/21/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.0070	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	3.4	0.10		mg/L	2	1/21/2021
Lead	0.0056	0.0020		mg/L	2	1/21/2021
Manganese	0.019	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/19/2021
Barium	1.4	0.050		mg/L	5	1/19/2021
Beryllium	ND	0.0050		mg/L	5	1/19/2021
Cadmium	ND	0.0050		mg/L	5	1/19/2021
Chromium	ND	0.010		mg/L	5	1/19/2021
Cobalt	ND	0.010		mg/L	5	1/19/2021
Copper	ND	0.10		mg/L	5	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-27

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:10:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/19/2021
Lead	ND	0.0050		mg/L	5	1/19/2021
Manganese	2.1	0.010		mg/L	5	1/19/2021
Nickel	0.015	0.010		mg/L	5	1/19/2021
Selenium	ND	0.010		mg/L	5	1/19/2021
Silver	ND	0.010		mg/L	5	1/19/2021
Zinc	ND	0.050		mg/L	5	1/19/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.043	0.020		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	8.24			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	17.6	0.2	*	wt%	1	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-26

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:25:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.080		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0053		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0053		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.080		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.053		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0053		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.022		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0053		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0053		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM	
Acenaphthene	ND	0.042		mg/Kg-dry	1	1/18/2021
Acenaphthylene	ND	0.042		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-26

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:25:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	0.42		mg/Kg-dry	1	1/18/2021
Anthracene	ND	0.042		mg/Kg-dry	1	1/18/2021
Benz(a)anthracene	0.050	0.042		mg/Kg-dry	1	1/18/2021
Benzidine	ND	0.42		mg/Kg-dry	1	1/18/2021
Benzo(a)pyrene	0.056	0.042		mg/Kg-dry	1	1/18/2021
Benzo(b)fluoranthene	0.051	0.042		mg/Kg-dry	1	1/18/2021
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	1/18/2021
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	1/18/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/18/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	1/18/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/18/2021
Chrysene	0.061	0.042		mg/Kg-dry	1	1/18/2021
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	1/18/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/18/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	1/18/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/18/2021
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/18/2021
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	1/18/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/18/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-26

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:25:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: TEM
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Fluoranthene	0.084	0.042		mg/Kg-dry	1	1/18/2021
Fluorene	ND	0.042		mg/Kg-dry	1	1/18/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/18/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/18/2021
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	1/18/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Naphthalene	ND	0.042		mg/Kg-dry	1	1/18/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/18/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	1/18/2021
Nitrobenzene	ND	0.042		mg/Kg-dry	1	1/18/2021
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	1/18/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/18/2021
N-Nitrosodiphenylamine	ND	0.042		mg/Kg-dry	1	1/18/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/18/2021
Pentachlorophenol	ND	0.042		mg/Kg-dry	1	1/18/2021
Phenanthrene	0.056	0.042		mg/Kg-dry	1	1/18/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/18/2021
Pyrene	0.074	0.042		mg/Kg-dry	1	1/18/2021
Pyridine	ND	0.85		mg/Kg-dry	1	1/18/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/18/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/19/2021	Analyst: JG
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Antimony	ND	2.2		mg/Kg-dry	10	1/19/2021
Arsenic	9.3	1.1		mg/Kg-dry	10	1/19/2021
Barium	80	1.1		mg/Kg-dry	10	1/19/2021
Beryllium	ND	1.1		mg/Kg-dry	10	1/19/2021
Cadmium	0.72	0.54		mg/Kg-dry	10	1/19/2021
Calcium	48000	65		mg/Kg-dry	10	1/19/2021
Chromium	21	1.1		mg/Kg-dry	10	1/19/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-26

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:25:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	10	1.1		mg/Kg-dry	10	1/19/2021
Copper	31	2.7		mg/Kg-dry	10	1/19/2021
Iron	23000	32		mg/Kg-dry	10	1/19/2021
Lead	60	0.54		mg/Kg-dry	10	1/19/2021
Magnesium	25000	32		mg/Kg-dry	10	1/19/2021
Manganese	450	1.1		mg/Kg-dry	10	1/19/2021
Nickel	26	1.1		mg/Kg-dry	10	1/19/2021
Potassium	1600	32		mg/Kg-dry	10	1/19/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/19/2021
Silver	ND	1.1		mg/Kg-dry	10	1/19/2021
Sodium	2500	65		mg/Kg-dry	10	1/19/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/19/2021
Vanadium	26	1.1		mg/Kg-dry	10	1/19/2021
Zinc	91	5.4		mg/Kg-dry	10	1/19/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/21/2021

Analyst: JG

Arsenic	0.016	0.0040		mg/L	2	1/21/2021
Barium	0.058	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.020	0.0040		mg/L	2	1/21/2021
Cobalt	0.0052	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	14	0.10		mg/L	2	1/21/2021
Lead	0.022	0.0020		mg/L	2	1/21/2021
Manganese	0.10	0.0040		mg/L	2	1/21/2021
Nickel	0.019	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	0.069	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.27	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	ND	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

**Qualifiers:**  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-26

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 10:25:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	2.3	0.010		mg/L	5	1/20/2021
Nickel	0.011	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/21/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/22/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/20/2021		Analyst: LB	
Mercury	0.057	0.022		mg/Kg-dry	1	1/22/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	8.96			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	21.0	0.2	*	wt%	1	1/19/2021

**Qualifiers:**  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-13

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:40:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP
Acetone	0.10	0.072		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0096		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.048		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0096		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0048		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0096		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0096		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0048		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Acenaphthene	ND	0.041		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.041		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-13

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:40:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: TEM
Aniline	ND	0.42		mg/Kg-dry	1	1/19/2021
Anthracene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.41		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/19/2021
Chrysene	ND	0.041		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	1/19/2021

**Qualifiers:**

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-13

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:40:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: TEM
Fluoranthene	0.064	0.041		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.041		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.041		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.041		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.041		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.041		mg/Kg-dry	1	1/19/2021
Phenanthrene	ND	0.041		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/19/2021
Pyrene	0.052	0.041		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.84		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/19/2021
<b>Metals by ICP/MS</b>		<b>SW6020A (SW3050B)</b>		Prep Date: 1/19/2021		Analyst: JG
Antimony	ND	2.2		mg/Kg-dry	10	1/20/2021
Arsenic	8.6	1.1		mg/Kg-dry	10	1/20/2021
Barium	120	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	ND	1.1		mg/Kg-dry	10	1/20/2021
Cadmium	0.89	0.54		mg/Kg-dry	10	1/20/2021
Calcium	27000	65		mg/Kg-dry	10	1/20/2021
Chromium	28	1.1		mg/Kg-dry	10	1/20/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-13

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:40:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/19/2021

Analyst: JG

Cobalt	12	1.1		mg/Kg-dry	10	1/20/2021
Copper	30	2.7		mg/Kg-dry	10	1/20/2021
Iron	25000	32		mg/Kg-dry	10	1/20/2021
Lead	33	0.54		mg/Kg-dry	10	1/20/2021
Magnesium	16000	32		mg/Kg-dry	10	1/20/2021
Manganese	350	1.1		mg/Kg-dry	10	1/20/2021
Nickel	29	1.1		mg/Kg-dry	10	1/20/2021
Potassium	1600	32		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	2500	65		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	31	1.1		mg/Kg-dry	10	1/20/2021
Zinc	80	5.4		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.0042	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.0055	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	2.7	0.10		mg/L	2	1/21/2021
Lead	0.0033	0.0020		mg/L	2	1/21/2021
Manganese	0.021	0.0040		mg/L	2	1/21/2021
Nickel	0.0043	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.025	0.010		mg/L	5	1/20/2021
Barium	0.82	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	0.0060	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.036	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

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**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-13

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:40:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	0.015	0.0050		mg/L	5	1/20/2021
Manganese	5.5	0.010		mg/L	5	1/20/2021
Nickel	0.035	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	0.18	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.11	0.022		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/18/2021		Analyst: FN	
pH	7.85			pH Units	1	1/18/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/18/2021		Analyst: FN	
Percent Moisture	20.7	0.2	*	wt%	1	1/19/2021

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-12

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP
Acetone	ND	0.072		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.0097		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.0097		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
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 HT - Sample received past holding time  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-12

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	1/19/2021
Anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.39		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	0.97		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Chrysene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	0.97		mg/Kg-dry	1	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

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HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-12

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.039		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.78		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.0		mg/Kg-dry	10	1/20/2021
Arsenic	11	0.99		mg/Kg-dry	10	1/20/2021
Barium	73	0.99		mg/Kg-dry	10	1/20/2021
Beryllium	0.87	0.50		mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.50		mg/Kg-dry	10	1/20/2021
Calcium	47000	60		mg/Kg-dry	10	1/20/2021
Chromium	25	0.99		mg/Kg-dry	10	1/20/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-12

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	13	0.99		mg/Kg-dry	10	1/20/2021
Copper	29	2.5		mg/Kg-dry	10	1/20/2021
Iron	28000	30		mg/Kg-dry	10	1/20/2021
Lead	17	0.50		mg/Kg-dry	10	1/20/2021
Magnesium	23000	30		mg/Kg-dry	10	1/20/2021
Manganese	430	0.99		mg/Kg-dry	10	1/20/2021
Nickel	37	0.99		mg/Kg-dry	10	1/20/2021
Potassium	2200	30		mg/Kg-dry	10	1/20/2021
Selenium	ND	0.99		mg/Kg-dry	10	1/20/2021
Silver	ND	0.99		mg/Kg-dry	10	1/20/2021
Sodium	1200	60		mg/Kg-dry	10	1/20/2021
Thallium	ND	0.99		mg/Kg-dry	10	1/20/2021
Vanadium	29	0.99		mg/Kg-dry	10	1/20/2021
Zinc	63	5.0		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/21/2021
Barium	ND	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	ND	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	ND	0.10		mg/L	2	1/21/2021
Lead	ND	0.0020		mg/L	2	1/21/2021
Manganese	ND	0.0040		mg/L	2	1/21/2021
Nickel	ND	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	ND	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.47	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.011	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

**Qualifiers:**  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-12

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 11:55:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	4.2	0.010		mg/L	5	1/20/2021
Nickel	0.019	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.034	0.021		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.57			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	14.4	0.2	*	wt%	1	1/21/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-15

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:00:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: ERP	
Acetone	ND	0.077		mg/Kg-dry	1	1/18/2021
Benzene	ND	0.0052		mg/Kg-dry	1	1/18/2021
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
Bromoform	ND	0.0052		mg/Kg-dry	1	1/18/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	1/18/2021
2-Butanone	ND	0.077		mg/Kg-dry	1	1/18/2021
Carbon disulfide	ND	0.052		mg/Kg-dry	1	1/18/2021
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	1/18/2021
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	1/18/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	1/18/2021
Chloroform	ND	0.0052		mg/Kg-dry	1	1/18/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	1/18/2021
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/18/2021
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/18/2021
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	1/18/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/18/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	1/18/2021
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	1/18/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	1/18/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	1/18/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/18/2021
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	1/18/2021
Styrene	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	1/18/2021
Toluene	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	1/18/2021
Trichloroethene	ND	0.0052		mg/Kg-dry	1	1/18/2021
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	1/18/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/18/2021
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: DM	
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
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 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-15

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:00:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	1/19/2021
Anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.39		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	0.98		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Chrysene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-15

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:00:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.039		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.79		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.2		mg/Kg-dry	10	1/20/2021
Arsenic	11	1.1		mg/Kg-dry	10	1/20/2021
Barium	92	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	0.92	0.54		mg/Kg-dry	10	1/20/2021
Cadmium	0.67	0.54		mg/Kg-dry	10	1/20/2021
Calcium	49000	65		mg/Kg-dry	10	1/20/2021
Chromium	30	1.1		mg/Kg-dry	10	1/20/2021

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 \* - Non-accredited parameter

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 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-15

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:00:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	25	1.1		mg/Kg-dry	10	1/20/2021
Copper	32	2.7		mg/Kg-dry	10	1/20/2021
Iron	29000	33		mg/Kg-dry	10	1/20/2021
Lead	23	0.54		mg/Kg-dry	10	1/20/2021
Magnesium	23000	33		mg/Kg-dry	10	1/20/2021
Manganese	940	1.1		mg/Kg-dry	10	1/20/2021
Nickel	45	1.1		mg/Kg-dry	10	1/20/2021
Potassium	2400	33		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	340	65		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	31	1.1		mg/Kg-dry	10	1/20/2021
Zinc	69	5.4		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	0.0052	0.0040		mg/L	2	1/21/2021
Barium	0.028	0.020		mg/L	2	1/21/2021
Beryllium	ND	0.0020		mg/L	2	1/21/2021
Cadmium	ND	0.0020		mg/L	2	1/21/2021
Chromium	0.011	0.0040		mg/L	2	1/21/2021
Cobalt	ND	0.0040		mg/L	2	1/21/2021
Copper	ND	0.040		mg/L	2	1/21/2021
Iron	7.0	0.10		mg/L	2	1/21/2021
Lead	0.0049	0.0020		mg/L	2	1/21/2021
Manganese	0.033	0.0040		mg/L	2	1/21/2021
Nickel	0.0092	0.0040		mg/L	2	1/21/2021
Selenium	ND	0.0040		mg/L	2	1/21/2021
Silver	ND	0.0040		mg/L	2	1/21/2021
Zinc	0.026	0.020		mg/L	2	1/21/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.60	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	ND	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

**Qualifiers:**

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 R - RPD outside accepted recovery limits  
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 H - Holding time exceeded



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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-15

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:00:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-023

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	0.49	0.010		mg/L	5	1/20/2021
Nickel	ND	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.089	0.020		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.89			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	15.4	0.2	*	wt%	1	1/21/2021

**Qualifiers:**

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 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-17

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:10:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: JDT
Acetone	ND	0.054		mg/Kg-dry	1	1/19/2021
Benzene	ND	0.0036		mg/Kg-dry	1	1/19/2021
Bromodichloromethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
Bromoform	ND	0.0036		mg/Kg-dry	1	1/19/2021
Bromomethane	ND	0.0073		mg/Kg-dry	1	1/19/2021
2-Butanone	ND	0.054		mg/Kg-dry	1	1/19/2021
Carbon disulfide	ND	0.036		mg/Kg-dry	1	1/19/2021
Carbon tetrachloride	ND	0.0036		mg/Kg-dry	1	1/19/2021
Chlorobenzene	ND	0.0036		mg/Kg-dry	1	1/19/2021
Chloroethane	ND	0.0073		mg/Kg-dry	1	1/19/2021
Chloroform	ND	0.0036		mg/Kg-dry	1	1/19/2021
Chloromethane	ND	0.0073		mg/Kg-dry	1	1/19/2021
Dibromochloromethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,2-Dichloroethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethene	ND	0.0036		mg/Kg-dry	1	1/19/2021
cis-1,2-Dichloroethene	ND	0.0036		mg/Kg-dry	1	1/19/2021
trans-1,2-Dichloroethene	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,2-Dichloropropane	ND	0.0036		mg/Kg-dry	1	1/19/2021
cis-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	1/19/2021
trans-1,3-Dichloropropene	ND	0.0014		mg/Kg-dry	1	1/19/2021
Ethylbenzene	ND	0.0036		mg/Kg-dry	1	1/19/2021
2-Hexanone	ND	0.014		mg/Kg-dry	1	1/19/2021
4-Methyl-2-pentanone	ND	0.014		mg/Kg-dry	1	1/19/2021
Methylene chloride	ND	0.0073		mg/Kg-dry	1	1/19/2021
Methyl tert-butyl ether	ND	0.0036		mg/Kg-dry	1	1/19/2021
Styrene	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,1,2,2-Tetrachloroethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
Tetrachloroethene	ND	0.0036		mg/Kg-dry	1	1/19/2021
Toluene	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,1,1-Trichloroethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
1,1,2-Trichloroethane	ND	0.0036		mg/Kg-dry	1	1/19/2021
Trichloroethene	ND	0.0036		mg/Kg-dry	1	1/19/2021
Vinyl chloride	ND	0.0036		mg/Kg-dry	1	1/19/2021
Xylenes, Total	ND	0.011		mg/Kg-dry	1	1/19/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/19/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-17

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:10:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	1/19/2021
Anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzidine	ND	0.39		mg/Kg-dry	1	1/19/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Benzoic acid	ND	0.96		mg/Kg-dry	1	1/19/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Butyl benzyl phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/19/2021
Chrysene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/19/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/19/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Diethyl phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Dimethyl phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/19/2021
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	1/19/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/19/2021
Di-n-butyl phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021
Di-n-octyl phthalate	ND	0.96		mg/Kg-dry	1	1/19/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-17

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:10:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	ND	0.039		mg/Kg-dry	1	1/19/2021
Fluorene	ND	0.039		mg/Kg-dry	1	1/19/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/19/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/19/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	1/19/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/19/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/19/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/19/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	1/19/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/19/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/19/2021
Pyrene	ND	0.039		mg/Kg-dry	1	1/19/2021
Pyridine	ND	0.77		mg/Kg-dry	1	1/19/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/19/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.0		mg/Kg-dry	10	1/20/2021
Arsenic	8.5	0.99		mg/Kg-dry	10	1/20/2021
Barium	110	0.99		mg/Kg-dry	10	1/20/2021
Beryllium	1.4	0.49		mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.49		mg/Kg-dry	10	1/20/2021
Calcium	21000	59		mg/Kg-dry	10	1/20/2021
Chromium	32	0.99		mg/Kg-dry	10	1/20/2021

**Qualifiers:**  
 J - Analyte detected below quantitation limits  
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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-17

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:10:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	14	0.99		mg/Kg-dry	10	1/20/2021
Copper	29	2.5		mg/Kg-dry	10	1/20/2021
Iron	31000	30		mg/Kg-dry	10	1/20/2021
Lead	22	0.49		mg/Kg-dry	10	1/20/2021
Magnesium	13000	30		mg/Kg-dry	10	1/20/2021
Manganese	300	0.99		mg/Kg-dry	10	1/20/2021
Nickel	45	0.99		mg/Kg-dry	10	1/20/2021
Potassium	2600	30		mg/Kg-dry	10	1/20/2021
Selenium	ND	0.99		mg/Kg-dry	10	1/20/2021
Silver	ND	0.99		mg/Kg-dry	10	1/20/2021
Sodium	840	59		mg/Kg-dry	10	1/20/2021
Thallium	ND	0.99		mg/Kg-dry	10	1/20/2021
Vanadium	38	0.99		mg/Kg-dry	10	1/20/2021
Zinc	72	4.9		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/22/2021
Barium	ND	0.020		mg/L	2	1/22/2021
Beryllium	ND	0.0020		mg/L	2	1/22/2021
Cadmium	ND	0.0020		mg/L	2	1/22/2021
Chromium	ND	0.0040		mg/L	2	1/22/2021
Cobalt	ND	0.0040		mg/L	2	1/22/2021
Copper	ND	0.040		mg/L	2	1/22/2021
Iron	ND	0.10		mg/L	2	1/22/2021
Lead	ND	0.0020		mg/L	2	1/22/2021
Manganese	ND	0.0040		mg/L	2	1/22/2021
Nickel	ND	0.0040		mg/L	2	1/22/2021
Selenium	ND	0.0040		mg/L	2	1/22/2021
Silver	ND	0.0040		mg/L	2	1/22/2021
Zinc	ND	0.020		mg/L	2	1/22/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/19/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.29	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.012	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

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B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-1-17

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 12:10:00 PM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/19/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	3.2	0.010		mg/L	5	1/20/2021
Nickel	0.019	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/25/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/25/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.027	0.019		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.53			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	14.7	0.2	*	wt%	1	1/21/2021

**Qualifiers:**  
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 E - Value above quantitation range  
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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-2

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:13:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-030

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: <b>CBG</b>
Acetone	0.62	0.075	E	mg/Kg-dry	1	1/19/2021
Benzene	ND	0.0050		mg/Kg-dry	1	1/19/2021
Bromodichloromethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
Bromoform	ND	0.0050		mg/Kg-dry	1	1/19/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	1/19/2021
2-Butanone	0.15	0.075		mg/Kg-dry	1	1/19/2021
Carbon disulfide	ND	0.050		mg/Kg-dry	1	1/19/2021
Carbon tetrachloride	ND	0.0050		mg/Kg-dry	1	1/19/2021
Chlorobenzene	ND	0.0050		mg/Kg-dry	1	1/19/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	1/19/2021
Chloroform	ND	0.0050		mg/Kg-dry	1	1/19/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	1/19/2021
Dibromochloromethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,2-Dichloroethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/19/2021
cis-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/19/2021
trans-1,2-Dichloroethene	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,2-Dichloropropane	ND	0.0050		mg/Kg-dry	1	1/19/2021
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/19/2021
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	1/19/2021
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	1/19/2021
2-Hexanone	ND	0.021		mg/Kg-dry	1	1/19/2021
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	1/19/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	1/19/2021
Methyl tert-butyl ether	ND	0.0050		mg/Kg-dry	1	1/19/2021
Styrene	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,1,2,2-Tetrachloroethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
Tetrachloroethene	ND	0.0050		mg/Kg-dry	1	1/19/2021
Toluene	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,1,1-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
1,1,2-Trichloroethane	ND	0.0050		mg/Kg-dry	1	1/19/2021
Trichloroethene	ND	0.0050		mg/Kg-dry	1	1/19/2021
Vinyl chloride	ND	0.0050		mg/Kg-dry	1	1/19/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	1/19/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: <b>DM</b>
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/20/2021

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 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
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**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-2

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:13:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-030

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.40		mg/Kg-dry	1	1/20/2021
Anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzidine	ND	0.39		mg/Kg-dry	1	1/20/2021
Benzo(a)pyrene	0.046	0.039		mg/Kg-dry	1	1/20/2021
Benzo(b)fluoranthene	0.043	0.039		mg/Kg-dry	1	1/20/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzoic acid	ND	0.98		mg/Kg-dry	1	1/20/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	1/20/2021
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/20/2021
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021
Carbazole	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/20/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	1/20/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	1/20/2021
Chrysene	ND	0.039		mg/Kg-dry	1	1/20/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	1/20/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/20/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/20/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	1/20/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	1/20/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	1/20/2021
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	1/20/2021
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/20/2021
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	1/20/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/20/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/20/2021
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	1/20/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-2

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:13:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-030

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	0.064	0.039		mg/Kg-dry	1	1/20/2021
Fluorene	ND	0.039		mg/Kg-dry	1	1/20/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	1/20/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	1/20/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	1/20/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	1/20/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/20/2021
Isophorone	ND	0.21		mg/Kg-dry	1	1/20/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	1/20/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	1/20/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	1/20/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/20/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	1/20/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	1/20/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/20/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/20/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/20/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	1/20/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	1/20/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	1/20/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	1/20/2021
Phenanthrene	0.042	0.039		mg/Kg-dry	1	1/20/2021
Phenol	ND	0.21		mg/Kg-dry	1	1/20/2021
Pyrene	0.056	0.039		mg/Kg-dry	1	1/20/2021
Pyridine	ND	0.80		mg/Kg-dry	1	1/20/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	1/20/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/20/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	1/20/2021

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.2		mg/Kg-dry	10	1/20/2021
Arsenic	8.0	1.1		mg/Kg-dry	10	1/20/2021
Barium	130	1.1		mg/Kg-dry	10	1/20/2021
Beryllium	0.81	0.54		mg/Kg-dry	10	1/20/2021
Cadmium	0.96	0.54		mg/Kg-dry	10	1/20/2021
Calcium	12000	65		mg/Kg-dry	10	1/20/2021
Chromium	27	1.1		mg/Kg-dry	10	1/20/2021

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
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 E - Value above quantitation range  
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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-2

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:13:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-030

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	9.8	1.1		mg/Kg-dry	10	1/20/2021
Copper	29	2.7		mg/Kg-dry	10	1/20/2021
Iron	22000	33		mg/Kg-dry	10	1/20/2021
Lead	33	0.54		mg/Kg-dry	10	1/20/2021
Magnesium	7600	33		mg/Kg-dry	10	1/20/2021
Manganese	270	1.1		mg/Kg-dry	10	1/20/2021
Nickel	25	1.1		mg/Kg-dry	10	1/20/2021
Potassium	1700	33		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.1		mg/Kg-dry	10	1/20/2021
Silver	ND	1.1		mg/Kg-dry	10	1/20/2021
Sodium	2400	65		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.1		mg/Kg-dry	10	1/20/2021
Vanadium	31	1.1		mg/Kg-dry	10	1/20/2021
Zinc	84	5.4		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/20/2021

Analyst: JG

Arsenic	0.0091	0.0040		mg/L	2	1/22/2021
Barium	0.034	0.020		mg/L	2	1/22/2021
Beryllium	ND	0.0020		mg/L	2	1/22/2021
Cadmium	ND	0.0020		mg/L	2	1/22/2021
Chromium	0.014	0.0040		mg/L	2	1/22/2021
Cobalt	0.0045	0.0040		mg/L	2	1/22/2021
Copper	ND	0.040		mg/L	2	1/22/2021
Iron	10	0.10		mg/L	2	1/22/2021
Lead	0.017	0.0020		mg/L	2	1/22/2021
Manganese	0.094	0.0040		mg/L	2	1/22/2021
Nickel	0.014	0.0040		mg/L	2	1/22/2021
Selenium	ND	0.0040		mg/L	2	1/22/2021
Silver	ND	0.0040		mg/L	2	1/22/2021
Zinc	0.038	0.020		mg/L	2	1/22/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/20/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.82	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.021	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-2

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:13:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-030

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/20/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	6.1	0.010		mg/L	5	1/20/2021
Nickel	0.019	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	0.051	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.060	0.019		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.69			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	17.3	0.2	*	wt%	1	1/21/2021

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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-3

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:18:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-031

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by GC/MS</b>		<b>SW5035/8260B</b>		Prep Date: 1/15/2021		Analyst: <b>CBG</b>
Acetone	ND	0.071		mg/Kg-dry	1	1/19/2021
Benzene	ND	0.0047		mg/Kg-dry	1	1/19/2021
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
Bromoform	ND	0.0047		mg/Kg-dry	1	1/19/2021
Bromomethane	ND	0.0094		mg/Kg-dry	1	1/19/2021
2-Butanone	ND	0.071		mg/Kg-dry	1	1/19/2021
Carbon disulfide	ND	0.047		mg/Kg-dry	1	1/19/2021
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	1/19/2021
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	1/19/2021
Chloroethane	ND	0.0094		mg/Kg-dry	1	1/19/2021
Chloroform	ND	0.0047		mg/Kg-dry	1	1/19/2021
Chloromethane	ND	0.0094		mg/Kg-dry	1	1/19/2021
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/19/2021
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/19/2021
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	1/19/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/19/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	1/19/2021
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	1/19/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	1/19/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	1/19/2021
Methylene chloride	ND	0.0094		mg/Kg-dry	1	1/19/2021
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	1/19/2021
Styrene	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	1/19/2021
Toluene	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	1/19/2021
Trichloroethene	ND	0.0047		mg/Kg-dry	1	1/19/2021
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	1/19/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	1/19/2021
<b>Semivolatile Organic Compounds by GC/MS</b>		<b>SW8270D (SW3550B)</b>		Prep Date: 1/18/2021		Analyst: <b>DM</b>
Acenaphthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	1/20/2021

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 \* - Non-accredited parameter

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Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-3

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:18:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-031

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270D (SW3550B)</b>				Prep Date: 1/18/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	1/20/2021
Anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzidine	ND	0.39		mg/Kg-dry	1	1/20/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Benzoic acid	ND	0.96		mg/Kg-dry	1	1/20/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Butyl benzyl phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021
Carbazole	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	1/20/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	1/20/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	1/20/2021
Chrysene	ND	0.039		mg/Kg-dry	1	1/20/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	1/20/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	1/20/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	1/20/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Diethyl phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Dimethyl phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	1/20/2021
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	1/20/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/20/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	1/20/2021
Di-n-butyl phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021
Di-n-octyl phthalate	ND	0.96		mg/Kg-dry	1	1/20/2021

ND - Not Detected at the Reporting Limit

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**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: February 02, 2021

Date Printed: February 02, 2021

**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-3

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:18:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-031

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 1/18/2021	Analyst: DM
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Fluoranthene	ND	0.039		mg/Kg-dry	1	1/20/2021
Fluorene	ND	0.039		mg/Kg-dry	1	1/20/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	1/20/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	1/20/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	1/20/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	1/20/2021
Isophorone	ND	0.20		mg/Kg-dry	1	1/20/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	1/20/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	1/20/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/20/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	1/20/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	1/20/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	1/20/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	1/20/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	1/20/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	1/20/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	1/20/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	1/20/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	1/20/2021
Phenol	ND	0.20		mg/Kg-dry	1	1/20/2021
Pyrene	ND	0.039		mg/Kg-dry	1	1/20/2021
Pyridine	ND	0.78		mg/Kg-dry	1	1/20/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	1/20/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	1/20/2021

Metals by ICP/MS	SW6020A (SW3050B)			Prep Date: 1/20/2021	Analyst: JG
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Antimony	ND	2.0		mg/Kg-dry	10	1/20/2021
Arsenic	10	1.0		mg/Kg-dry	10	1/20/2021
Barium	67	1.0		mg/Kg-dry	10	1/20/2021
Beryllium	0.92	0.51		mg/Kg-dry	10	1/20/2021
Cadmium	ND	0.51		mg/Kg-dry	10	1/20/2021
Calcium	58000	61		mg/Kg-dry	10	1/20/2021
Chromium	26	1.0		mg/Kg-dry	10	1/20/2021

**Qualifiers:**  
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 B - Analyte detected in the associated Method Blank  
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Date Reported: February 02, 2021

**ANALYTICAL RESULTS**

Date Printed: February 02, 2021

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-3

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:18:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-031

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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**Metals by ICP/MS****SW6020A (SW3050B)**

Prep Date: 1/20/2021

Analyst: JG

Cobalt	16	1.0		mg/Kg-dry	10	1/20/2021
Copper	30	2.5		mg/Kg-dry	10	1/20/2021
Iron	28000	30		mg/Kg-dry	10	1/20/2021
Lead	17	0.51		mg/Kg-dry	10	1/20/2021
Magnesium	26000	30		mg/Kg-dry	10	1/20/2021
Manganese	580	1.0		mg/Kg-dry	10	1/20/2021
Nickel	40	1.0		mg/Kg-dry	10	1/20/2021
Potassium	2900	30		mg/Kg-dry	10	1/20/2021
Selenium	ND	1.0		mg/Kg-dry	10	1/20/2021
Silver	ND	1.0		mg/Kg-dry	10	1/20/2021
Sodium	1000	61		mg/Kg-dry	10	1/20/2021
Thallium	ND	1.0		mg/Kg-dry	10	1/20/2021
Vanadium	30	1.0		mg/Kg-dry	10	1/20/2021
Zinc	63	5.1		mg/Kg-dry	10	1/20/2021

**SPLP Metals by ICP/MS****SW1312/6020A (SW3005A)**

Prep Date: 1/20/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	1/22/2021
Barium	ND	0.020		mg/L	2	1/22/2021
Beryllium	ND	0.0020		mg/L	2	1/22/2021
Cadmium	ND	0.0020		mg/L	2	1/22/2021
Chromium	ND	0.0040		mg/L	2	1/22/2021
Cobalt	ND	0.0040		mg/L	2	1/22/2021
Copper	ND	0.040		mg/L	2	1/22/2021
Iron	ND	0.10		mg/L	2	1/22/2021
Lead	ND	0.0020		mg/L	2	1/22/2021
Manganese	0.0045	0.0040		mg/L	2	1/22/2021
Nickel	ND	0.0040		mg/L	2	1/22/2021
Selenium	ND	0.0040		mg/L	2	1/22/2021
Silver	ND	0.0040		mg/L	2	1/22/2021
Zinc	ND	0.020		mg/L	2	1/22/2021

**TCLP Metals by ICP/MS****SW1311/6020A (SW3005A)**

Prep Date: 1/20/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	1/20/2021
Barium	0.53	0.050		mg/L	5	1/20/2021
Beryllium	ND	0.0050		mg/L	5	1/20/2021
Cadmium	ND	0.0050		mg/L	5	1/20/2021
Chromium	ND	0.010		mg/L	5	1/20/2021
Cobalt	0.016	0.010		mg/L	5	1/20/2021
Copper	ND	0.10		mg/L	5	1/20/2021

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**ANALYTICAL RESULTS**

Client: Huff &amp; Huff, Inc.

Client Sample ID: 3559-DUP-3

Work Order: 21010275 Revision 0

Collection Date: 1/13/2021 9:18:00 AM

Project: 81.0220509.91, IDOT WO 45 LaGrange Road, Wil

Matrix: Soil

Lab ID: 21010275-031

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>TCLP Metals by ICP/MS</b>	<b>SW1311/6020A (SW3005A)</b>		Prep Date: 1/20/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	1/20/2021
Lead	ND	0.0050		mg/L	5	1/20/2021
Manganese	4.6	0.010		mg/L	5	1/20/2021
Nickel	0.020	0.010		mg/L	5	1/20/2021
Selenium	ND	0.010		mg/L	5	1/20/2021
Silver	ND	0.010		mg/L	5	1/20/2021
Zinc	ND	0.050		mg/L	5	1/20/2021
<b>TCLP Mercury</b>	<b>SW1311/7470A</b>		Prep Date: 1/19/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/20/2021
<b>SPLP Mercury</b>	<b>SW1312/7470A</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	1/27/2021
<b>Mercury</b>	<b>SW7471B</b>		Prep Date: 1/26/2021		Analyst: LB	
Mercury	0.019	0.018		mg/Kg-dry	1	1/27/2021
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: 1/19/2021		Analyst: FN	
pH	7.28			pH Units	1	1/19/2021
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: 1/20/2021		Analyst: FN	
Percent Moisture	14.9	0.2	*	wt%	1	1/21/2021

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