

IDOT 178-008 WO#023A
IL Route 126 at County Line Road
From I-294 to I-55
PSI Report

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: FAU 379 IL 126 at County Line Road Office Phone Number, if available: 847-705-4122

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

3078V-1 (100-200 blocks of IL 126), 3078V-4 (100 block of IL 126), 3078V-5 (26000 block of IL 126)

City: Plainfield, Yorkville State: IL Zip Code: 60544

County: Will Township: Plainfield, Kendall

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

Latitude: 41.60757 Longitude: -88.25791
(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: BOW: BOA:

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

Estimated Volume of debris (cu. Yd.): 734

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 Figure 4-1 in the Final PSI Report and borings 3078V-1-03 (IL RT 126 105+00, 30 Left), 3078V-1-06 (IL RT 126 99+75, 30 Left), 3078V-4-01 (IL RT 126 99+75, 40 Right), 3078V-5-01 (County Line Rd 422+50, 30 Right), 3078V-5-02 (IL RT 126 100 +74, 30 Right).

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 report #21040119. 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.

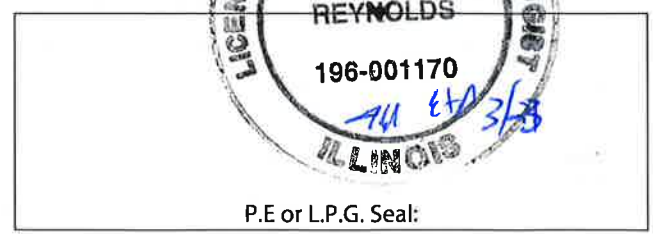
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

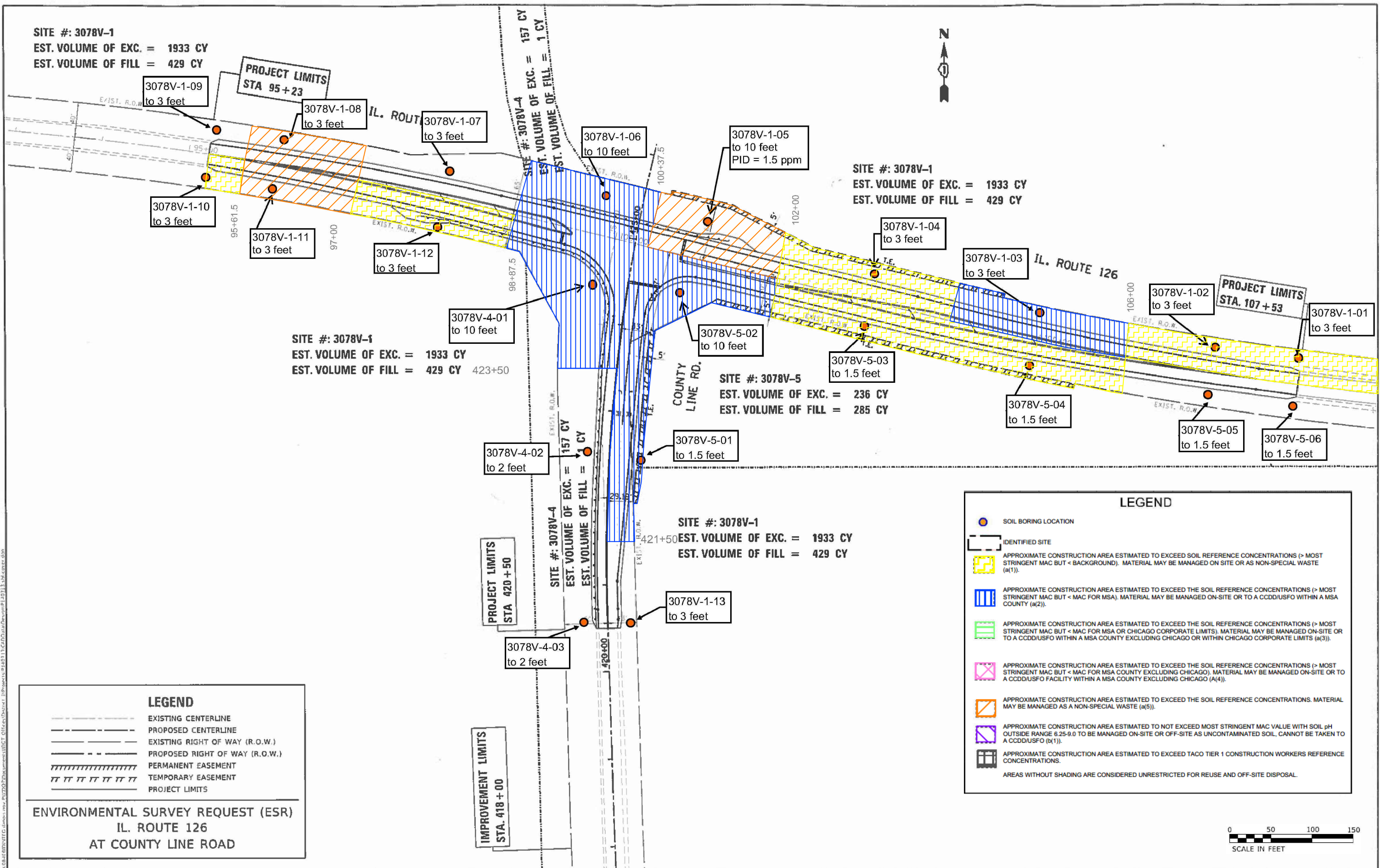
Jeremy J. Reynolds, P.G.
Printed Name:

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

May 13, 2021
Date:



SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY



SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-5
 EST. VOLUME OF EXC. = 236 CY
 EST. VOLUME OF FILL = 285 CY

SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-4
 EST. VOLUME OF EXC. = 157 CY
 EST. VOLUME OF FILL = 1 CY

LEGEND

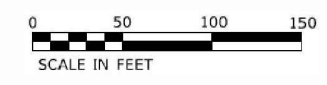
- SOIL BORING LOCATION
- IDENTIFIED SITE
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON-SITE OR AS NON-SPECIAL WASTE (a(1)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < MAC FOR MSA). MATERIAL MAY BE MANAGED ON-SITE OR TO A CCDDUSFO WITHIN A MSA COUNTY (a(2)).
- 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 CCDDUSFO 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 CCDDUSFO 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 CCDDUSFO (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

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY (R.O.W.)
- PROPOSED RIGHT OF WAY (R.O.W.)
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- PROJECT LIMITS

**ENVIRONMENTAL SURVEY REQUEST (ESR)
 IL. ROUTE 126
 AT COUNTY LINE ROAD**



USER NAME = mrc/eda	DESIGNED -	REVISED -	REVISED -
	DRAWN -		REVISED -
PLOT SCALE = 1:50,000	CHECKED -		REVISED -
PLOT DATE = 31/29/2013	DATE -		REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Figure 4-1 Extent of Potentially Impacted Soil Map
 Huff & Huff, Inc. WO #23A

SECTION 119CH&TS	COUNTY WILL	TOTAL SHEETS 1	SHEET NO. 1
CONTRACT NO. 62G10			

Soils for Reuse or Disposal at CCDD Facilities in MSA Counties Including Chicago
 IDOT, District One
 Illinois Route 126 @ County Line Road
 Plainfield and Yorkville, Will-Kendal County, Illinois
 BDE Sequence No.: 19258A
 PTB: 178-008 / H&H-1, Work Order No.: 023A

Boring ID Sample Depth, ft Sample Date Excavation Area(s) [ISGS Site No.(s)]	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}	Soil Remediation Objective for Residential Exposure ^{c/}	3078V-1-03	3078V-1-06	3078V-1-06	3078V-4-01	3078V-4-01	3078V-5-01	3078V-5-02	DUP-01 (3078V-5-02)	3078V-5-02
				(0-3)	(0-5)	(5-10)	(0-5)	(5-10)	(0-1.5)	(0-5)	(0-5)	(5-10)
				04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021
Parameter				3078V-1			3078V-4		3078V-5			
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	7.65	8.43	8.12	7.74	8.22	8.32	7.77	7.82	8.28
VOCs, mg/kg				NO EXCEEDANCES								
SVOCs, mg/kg				NO EXCEEDANCES								
Total Metals, mg/kg												
Arsenic	11.3 / 13	61	13	9.1	9.9	13	13	9	6.9	8	12	9.8
Chromium	21	690	230	23	22	18	26	25	13	26	22	9.9
Cobalt	20	12,000	4700	13	13	8.1	20	11	5	5.4	26	7.4
Iron	15,000 / 15,900	---	---	26000	26000	26000	32000	28000	16000	27000	27000	23000
Lead	107	700	400	69	21	10	20	15	19	16	21	12
Manganese	630 / 636	4,100	1600	790	820	130	950	490	450	150	1400	540
Selenium	1.3	1,000	390	1.4	1.6	< 1.0	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2
TCLP Metals, mg/L		Class I Groundwater ^{d/}										
Arsenic		0.05		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chromium		0.1		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Cobalt		1		0.046	< 0.010	< 0.010	< 0.010	0.024	< 0.010	< 0.010	< 0.010	0.02
Iron		5		0.62	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.3	< 0.25
Lead		0.0075		0.015	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Manganese		0.15		9.1	0.75	0.59	0.8	6.2	2.2	0.2	0.081	4.7
Selenium		0.05		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
SPLP Metals, mg/L		Class I Groundwater ^{d/}										
Arsenic		0.05		0.0067	0.01	0.0054	0.012	< 0.0040	0.0049	< 0.0040	< 0.0040	< 0.0040
Chromium		0.1		0.019	0.025	0.026	0.031	0.012	0.0064	0.016	< 0.0040	0.0045
Cobalt		1		0.0053	0.005	0.0042	0.0067	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
Iron		5		14	20	17	26	6.7	0.28	9.8	0.58	2.1
Lead		0.0075		0.017	0.0088	0.0051	0.0091	0.0027	0.0043	0.0033	< 0.0020	< 0.0020
Manganese		0.15		0.11	0.11	0.047	0.1	0.048	0.31	0.029	0.0063	0.015
Selenium		0.05		< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040

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

^{a/} 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.

^{b/} Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

^{c/} Soil Remediation Objective for Residential exposure, most stringent of the Ingestion or Inhalation exposure route.

^{d/} 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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-03 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:12:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT
Acetone	ND	0.081		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.081		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.054		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.021		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.041		mg/Kg-dry	1	4/7/2021

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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Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:12:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/6/2021	Analyst: DM
Aniline	ND	0.42		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.41		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	0.049	0.041		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	0.054	0.041		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	0.045	0.041		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.041		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021

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Semivolatile Organic Compounds by GC/MS						
	SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM	
Fluoranthene	0.045	0.041		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.041		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.041		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.041		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.041		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.041		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Pyrene	0.053	0.041		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.84		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS						
	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Antimony	ND	2.4		mg/Kg-dry	10	4/9/2021
Arsenic	9.1	1.2		mg/Kg-dry	10	4/9/2021
Barium	150	1.2		mg/Kg-dry	10	4/9/2021
Beryllium	0.95	0.60		mg/Kg-dry	10	4/9/2021
Cadmium	0.76	0.60		mg/Kg-dry	10	4/9/2021
Calcium	13000	72		mg/Kg-dry	10	4/9/2021
Chromium	23	1.2		mg/Kg-dry	10	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-03 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:12:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Cobalt	13	1.2		mg/Kg-dry	10	4/9/2021
Copper	30	3.0		mg/Kg-dry	10	4/9/2021
Iron	26000	36		mg/Kg-dry	10	4/9/2021
Lead	69	0.60		mg/Kg-dry	10	4/9/2021
Magnesium	8400	36		mg/Kg-dry	10	4/9/2021
Manganese	790	1.2		mg/Kg-dry	10	4/9/2021
Nickel	27	1.2		mg/Kg-dry	10	4/9/2021
Potassium	1500	36		mg/Kg-dry	10	4/9/2021
Selenium	1.4	1.2		mg/Kg-dry	10	4/9/2021
Silver	ND	1.2		mg/Kg-dry	10	4/9/2021
Sodium	5600	72		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/9/2021
Vanadium	37	1.2		mg/Kg-dry	10	4/9/2021
Zinc	97	6.0		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	0.0067	0.0040		mg/L	2	4/12/2021
Barium	0.052	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.019	0.0040		mg/L	2	4/12/2021
Cobalt	0.0053	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	14	0.60		mg/L	2	4/12/2021
Lead	0.017	0.0020		mg/L	2	4/12/2021
Manganese	0.11	0.0040		mg/L	2	4/12/2021
Nickel	0.016	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.047	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/8/2021
Barium	0.51	0.050		mg/L	5	4/8/2021
Beryllium	ND	0.0050		mg/L	5	4/8/2021
Cadmium	ND	0.0050		mg/L	5	4/8/2021
Chromium	ND	0.010		mg/L	5	4/8/2021
Cobalt	0.046	0.010		mg/L	5	4/8/2021
Copper	ND	0.10		mg/L	5	4/8/2021

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

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H - Holding time exceeded

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-003

Client Sample ID: 3078V-1-03 (0-3)

Collection Date: 4/2/2021 10:12:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	0.62	0.25		mg/L	5	4/8/2021
Lead	0.015	0.0050		mg/L	5	4/8/2021
Manganese	9.1	0.010		mg/L	5	4/8/2021
Nickel	0.033	0.010		mg/L	5	4/8/2021
Selenium	ND	0.010		mg/L	5	4/8/2021
Silver	ND	0.010		mg/L	5	4/8/2021
Zinc	0.11	0.050		mg/L	5	4/8/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/8/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/8/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.064	0.025		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.65			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	20.6	0.2	*	wt%	1	4/8/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
 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
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 E - Value above quantitation range
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:28:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT
Acetone	ND	0.066		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0044		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0044		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0088		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.066		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.044		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0044		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0044		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0088		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0044		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0088		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0044		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0044		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0044		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.017		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0088		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0044		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0044		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0044		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0044		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0044		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.013		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Acenaphthene	ND	0.038		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.038		mg/Kg-dry	1	4/7/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:28:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/6/2021		Analyst: DM
Aniline	ND	0.38		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.38		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.94		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.038		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.19		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.94		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.94		mg/Kg-dry	1	4/7/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:28:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM	
Fluoranthene	ND	0.038		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.038		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.19		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.19		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.19		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.038		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.038		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.038		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.038		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.038		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.19		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.038		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.76		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS						
	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Antimony	ND	2.0		mg/Kg-dry	10	4/9/2021
Arsenic	9.9	1.0		mg/Kg-dry	10	4/9/2021
Barium	130	1.0		mg/Kg-dry	10	4/9/2021
Beryllium	0.78	0.50		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.50		mg/Kg-dry	10	4/9/2021
Calcium	61000	60		mg/Kg-dry	10	4/9/2021
Chromium	22	1.0		mg/Kg-dry	10	4/9/2021

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: April 15, 2021

ANALYTICAL RESULTS

Date Printed: April 15, 2021

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:28:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	13	1.0		mg/Kg-dry	10	4/9/2021
Copper	23	2.5		mg/Kg-dry	10	4/9/2021
Iron	26000	30		mg/Kg-dry	10	4/9/2021
Lead	21	0.50		mg/Kg-dry	10	4/9/2021
Magnesium	32000	30		mg/Kg-dry	10	4/9/2021
Manganese	820	1.0		mg/Kg-dry	10	4/9/2021
Nickel	27	1.0		mg/Kg-dry	10	4/9/2021
Potassium	1800	30		mg/Kg-dry	10	4/9/2021
Selenium	1.6	1.0		mg/Kg-dry	10	4/9/2021
Silver	ND	1.0		mg/Kg-dry	10	4/9/2021
Sodium	1700	60		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.0		mg/Kg-dry	10	4/9/2021
Vanadium	34	1.0		mg/Kg-dry	10	4/9/2021
Zinc	66	5.0		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.010	0.0040		mg/L	2	4/12/2021
Barium	0.067	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.025	0.0040		mg/L	2	4/12/2021
Cobalt	0.0050	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	20	0.60		mg/L	2	4/12/2021
Lead	0.0088	0.0020		mg/L	2	4/12/2021
Manganese	0.11	0.0040		mg/L	2	4/12/2021
Nickel	0.022	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.063	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.80	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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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R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-007

Client Sample ID: 3078V-1-06 (0-5)

Collection Date: 4/2/2021 10:28:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.75	0.010		mg/L	5	4/9/2021
Nickel	0.011	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/8/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/8/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.045	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.43			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	13.6	0.2	*	wt%	1	4/8/2021

Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT
Acetone	ND	0.071		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.071		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.047		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0094		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
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Date Reported: April 15, 2021

ANALYTICAL RESULTS

Date Printed: April 15, 2021

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/6/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.97		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021

ND - Not Detected at the Reporting Limit

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Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.78		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.0		mg/Kg-dry	10	4/9/2021
Arsenic	13	1.0		mg/Kg-dry	10	4/9/2021
Barium	52	1.0		mg/Kg-dry	10	4/9/2021
Beryllium	0.58	0.51		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.51		mg/Kg-dry	10	4/9/2021
Calcium	24000	61		mg/Kg-dry	10	4/9/2021
Chromium	18	1.0		mg/Kg-dry	10	4/9/2021

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RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-06 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	8.1	1.0		mg/Kg-dry	10	4/9/2021
Copper	16	2.6		mg/Kg-dry	10	4/9/2021
Iron	26000	31		mg/Kg-dry	10	4/9/2021
Lead	10	0.51		mg/Kg-dry	10	4/9/2021
Magnesium	16000	31		mg/Kg-dry	10	4/9/2021
Manganese	130	1.0		mg/Kg-dry	10	4/9/2021
Nickel	22	1.0		mg/Kg-dry	10	4/9/2021
Potassium	1000	31		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.0		mg/Kg-dry	10	4/9/2021
Silver	ND	1.0		mg/Kg-dry	10	4/9/2021
Sodium	530	61		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.0		mg/Kg-dry	10	4/9/2021
Vanadium	34	1.0		mg/Kg-dry	10	4/9/2021
Zinc	46	5.1		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.0054	0.0040		mg/L	2	4/12/2021
Barium	0.060	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.026	0.0040		mg/L	2	4/12/2021
Cobalt	0.0042	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	17	0.60		mg/L	2	4/12/2021
Lead	0.0051	0.0020		mg/L	2	4/12/2021
Manganese	0.047	0.0040		mg/L	2	4/12/2021
Nickel	0.014	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.037	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.46	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-008

Client Sample ID: 3078V-1-06 (5-10)

Collection Date: 4/2/2021 10:30:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)			Prep Date: 4/8/2021		Analyst: JG
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.59	0.010		mg/L	5	4/9/2021
Nickel	0.012	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A			Prep Date: 4/8/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	4/8/2021
SPLP Mercury	SW1312/7470A			Prep Date: 4/9/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B			Prep Date: 4/9/2021		Analyst: LB
Mercury	0.038	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C			Prep Date: 4/7/2021		Analyst: FN
pH	8.12			pH Units	1	4/7/2021
Percent Moisture	D2974			Prep Date: 4/7/2021		Analyst: FN
Percent Moisture	14.9	0.2	*	wt%	1	4/8/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:05:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG
Acetone	ND	0.070		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0047		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.070		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.047		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0047		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0094		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0047		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

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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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:05:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.39		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.98		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:05:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.79		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/9/2021
Arsenic	13	1.1		mg/Kg-dry	10	4/9/2021
Barium	120	1.1		mg/Kg-dry	10	4/9/2021
Beryllium	0.94	0.57		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.57		mg/Kg-dry	10	4/9/2021
Calcium	64000	68		mg/Kg-dry	10	4/9/2021
Chromium	26	1.1		mg/Kg-dry	10	4/9/2021

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

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E - Value above quantitation range

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:05:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	20	1.1		mg/Kg-dry	10	4/9/2021
Copper	28	2.9		mg/Kg-dry	10	4/9/2021
Iron	32000	34		mg/Kg-dry	10	4/9/2021
Lead	20	0.57		mg/Kg-dry	10	4/9/2021
Magnesium	33000	34		mg/Kg-dry	10	4/9/2021
Manganese	950	1.1		mg/Kg-dry	10	4/9/2021
Nickel	41	1.1		mg/Kg-dry	10	4/9/2021
Potassium	2500	34		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/9/2021
Silver	ND	1.1		mg/Kg-dry	10	4/9/2021
Sodium	2400	68		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/9/2021
Vanadium	37	1.1		mg/Kg-dry	10	4/9/2021
Zinc	69	5.7		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.012	0.0040		mg/L	2	4/12/2021
Barium	0.079	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.031	0.0040		mg/L	2	4/12/2021
Cobalt	0.0067	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	26	0.60		mg/L	2	4/12/2021
Lead	0.0091	0.0020		mg/L	2	4/12/2021
Manganese	0.10	0.0040		mg/L	2	4/12/2021
Nickel	0.025	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.058	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.88	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-015

Client Sample ID: 3078V-4-01 (0-5)

Collection Date: 4/2/2021 11:05:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.80	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.031	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.74			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	15.3	0.2	*	wt%	1	4/8/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:08:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT	
Acetone	ND	0.078		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0051		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0051		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.010		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.078		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.051		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.010		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0051		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.010		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.010		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0051		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	4/8/2021

Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

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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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:08:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/7/2021		Analyst: TEM
Aniline	ND	0.39		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.98		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.98		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.98		mg/Kg-dry	1	4/7/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:08:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.79		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/9/2021
Arsenic	9.0	1.1		mg/Kg-dry	10	4/9/2021
Barium	130	1.1		mg/Kg-dry	10	4/9/2021
Beryllium	0.85	0.57		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.57		mg/Kg-dry	10	4/9/2021
Calcium	49000	68		mg/Kg-dry	10	4/9/2021
Chromium	25	1.1		mg/Kg-dry	10	4/9/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-01 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:08:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Cobalt	11	1.1		mg/Kg-dry	10	4/9/2021
Copper	23	2.8		mg/Kg-dry	10	4/9/2021
Iron	28000	34		mg/Kg-dry	10	4/9/2021
Lead	15	0.57		mg/Kg-dry	10	4/9/2021
Magnesium	25000	34		mg/Kg-dry	10	4/9/2021
Manganese	490	1.1		mg/Kg-dry	10	4/9/2021
Nickel	33	1.1		mg/Kg-dry	10	4/9/2021
Potassium	2100	34		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/9/2021
Silver	ND	1.1		mg/Kg-dry	10	4/9/2021
Sodium	1200	68		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/9/2021
Vanadium	34	1.1		mg/Kg-dry	10	4/9/2021
Zinc	62	5.7		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.029	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.012	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	6.7	0.60		mg/L	2	4/12/2021
Lead	0.0027	0.0020		mg/L	2	4/12/2021
Manganese	0.048	0.0040		mg/L	2	4/12/2021
Nickel	0.0078	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.69	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	0.024	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-016

Client Sample ID: 3078V-4-01 (5-10)

Collection Date: 4/2/2021 11:08:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	6.2	0.010		mg/L	5	4/9/2021
Nickel	0.031	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.033	0.021		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.22			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	16.2	0.2	*	wt%	1	4/8/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-01 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:32:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.13		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0089		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0089		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.018		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.13		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.089		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0089		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0089		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.018		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0089		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.018		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0089		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0089		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0089		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0036		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0036		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0089		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.036		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.036		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.018		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0089		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0089		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0089		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0089		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0089		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.027		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

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

Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-01 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:32:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/7/2021		Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.99		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021

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

* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-01 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:32:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.80		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 4/9/2021	Analyst: JG
Antimony	ND	2.4		mg/Kg-dry	10	4/9/2021
Arsenic	6.9	1.2		mg/Kg-dry	10	4/9/2021
Barium	53	1.2		mg/Kg-dry	10	4/9/2021
Beryllium	ND	0.59		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.59		mg/Kg-dry	10	4/9/2021
Calcium	110000	71		mg/Kg-dry	10	4/9/2021
Chromium	13	1.2		mg/Kg-dry	10	4/9/2021

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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E - Value above quantitation range

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-01 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:32:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-020

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Cobalt	5.0	1.2		mg/Kg-dry	10	4/9/2021
Copper	13	3.0		mg/Kg-dry	10	4/9/2021
Iron	16000	36		mg/Kg-dry	10	4/9/2021
Lead	19	0.59		mg/Kg-dry	10	4/9/2021
Magnesium	64000	36		mg/Kg-dry	10	4/9/2021
Manganese	450	1.2		mg/Kg-dry	10	4/9/2021
Nickel	12	1.2		mg/Kg-dry	10	4/9/2021
Potassium	1200	36		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.2		mg/Kg-dry	10	4/9/2021
Silver	ND	1.2		mg/Kg-dry	10	4/9/2021
Sodium	1300	71		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/9/2021
Vanadium	19	1.2		mg/Kg-dry	10	4/9/2021
Zinc	51	5.9		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	0.0049	0.0040		mg/L	2	4/12/2021
Barium	0.11	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.0064	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	0.28	0.10		mg/L	2	4/12/2021
Lead	0.0043	0.0020		mg/L	2	4/12/2021
Manganese	0.31	0.0040		mg/L	2	4/12/2021
Nickel	0.0096	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.069	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.37	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-020

Client Sample ID: 3078V-5-01 (0-1.5)

Collection Date: 4/2/2021 9:32:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)			Prep Date: 4/8/2021		Analyst: JG
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	2.2	0.010		mg/L	5	4/9/2021
Nickel	0.010	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	0.066	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A			Prep Date: 4/9/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A			Prep Date: 4/12/2021		Analyst: LB
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B			Prep Date: 4/9/2021		Analyst: LB
Mercury	0.061	0.023		mg/Kg-dry	1	4/14/2021
pH (25 °C)	SW9045C			Prep Date: 4/7/2021		Analyst: FN
pH	8.32			pH Units	1	4/7/2021
Percent Moisture	D2974			Prep Date: 4/7/2021		Analyst: FN
Percent Moisture	17.3	0.2	*	wt%	1	4/8/2021

Qualifiers:
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RL - Reporting / Quantitation Limit for the analysis
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:35:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.082		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0055		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0055		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.082		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.055		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0055		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.022		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0055		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.042		mg/Kg-dry	1	4/7/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:35:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.43		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.42		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.22		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021

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Qualifiers:

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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: April 15, 2021

ANALYTICAL RESULTS

Date Printed: April 15, 2021

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:35:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.042		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.22		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.042		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.86		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 4/6/2021	Analyst: JG
Antimony	ND	2.4		mg/Kg-dry	10	4/6/2021
Arsenic	8.0	1.2		mg/Kg-dry	10	4/6/2021
Barium	130	1.2		mg/Kg-dry	10	4/6/2021
Beryllium	0.92	0.60		mg/Kg-dry	10	4/6/2021
Cadmium	ND	0.60		mg/Kg-dry	10	4/6/2021
Calcium	18000	73		mg/Kg-dry	10	4/6/2021
Chromium	26	1.2		mg/Kg-dry	10	4/6/2021

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Qualifiers:

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R - RPD outside accepted recovery limits

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:35:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-021

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG	
Cobalt	5.4	1.2		mg/Kg-dry	10	4/6/2021
Copper	20	3.1		mg/Kg-dry	10	4/6/2021
Iron	27000	36		mg/Kg-dry	10	4/6/2021
Lead	16	0.60		mg/Kg-dry	10	4/6/2021
Magnesium	10000	37		mg/Kg-dry	10	4/6/2021
Manganese	150	1.2		mg/Kg-dry	10	4/6/2021
Nickel	19	1.2		mg/Kg-dry	10	4/6/2021
Potassium	1100	36		mg/Kg-dry	10	4/6/2021
Selenium	ND	1.2		mg/Kg-dry	10	4/6/2021
Silver	ND	1.2		mg/Kg-dry	10	4/6/2021
Sodium	3000	73		mg/Kg-dry	10	4/6/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/6/2021
Vanadium	49	1.2		mg/Kg-dry	10	4/6/2021
Zinc	69	6.0		mg/Kg-dry	10	4/6/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.044	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.016	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	9.8	0.10		mg/L	2	4/12/2021
Lead	0.0033	0.0020		mg/L	2	4/12/2021
Manganese	0.029	0.0040		mg/L	2	4/12/2021
Nickel	0.0077	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.037	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.34	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-021

Client Sample ID: 3078V-5-02 (0-5)

Collection Date: 4/2/2021 9:35:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.20	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.047	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.77			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	22.3	0.2	*	wt%	1	4/8/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-022

Client Sample ID: 3078V-5-02 (5-10)

Collection Date: 4/2/2021 9:37:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.074		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0098		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.074		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0098		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0098		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0098		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	4/7/2021

Qualifiers:
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Date Reported: April 15, 2021

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-022

Client Sample ID: 3078V-5-02 (5-10)

Collection Date: 4/2/2021 9:37:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/7/2021		Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.40		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021

ND - Not Detected at the Reporting Limit

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H - Holding time exceeded

Qualifiers:

STAT Analysis Corporation

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

Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.040		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.80		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/6/2021
Arsenic	9.8	1.2		mg/Kg-dry	10	4/6/2021
Barium	23	1.2		mg/Kg-dry	10	4/6/2021
Beryllium	ND	0.58		mg/Kg-dry	10	4/6/2021
Cadmium	ND	0.58		mg/Kg-dry	10	4/6/2021
Calcium	120000	70		mg/Kg-dry	10	4/6/2021
Chromium	9.9	1.2		mg/Kg-dry	10	4/6/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-02 (5-10)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-022

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Cobalt	7.4	1.2		mg/Kg-dry	10	4/6/2021
Copper	16	2.9		mg/Kg-dry	10	4/6/2021
Iron	23000	35		mg/Kg-dry	10	4/6/2021
Lead	12	0.58		mg/Kg-dry	10	4/6/2021
Magnesium	69000	35		mg/Kg-dry	10	4/6/2021
Manganese	540	1.2		mg/Kg-dry	10	4/6/2021
Nickel	16	1.2		mg/Kg-dry	10	4/6/2021
Potassium	1400	35		mg/Kg-dry	10	4/6/2021
Selenium	ND	1.2		mg/Kg-dry	10	4/6/2021
Silver	ND	1.2		mg/Kg-dry	10	4/6/2021
Sodium	760	70		mg/Kg-dry	10	4/6/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/6/2021
Vanadium	17	1.2		mg/Kg-dry	10	4/6/2021
Zinc	35	5.8		mg/Kg-dry	10	4/6/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	ND	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.0045	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	2.1	0.10		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.015	0.0040		mg/L	2	4/12/2021
Nickel	ND	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.34	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	0.020	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-022

Client Sample ID: 3078V-5-02 (5-10)

Collection Date: 4/2/2021 9:37:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	4.7	0.010		mg/L	5	4/9/2021
Nickel	0.037	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	0.10	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.019		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.28			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	17.7	0.2	*	wt%	1	4/8/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
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 HT - Sample received past holding time
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RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-027

Client Sample ID: DUP-01 (0-5)

Collection Date: 4/2/2021 9:01:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.085		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0056		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0056		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.085		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.056		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0056		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.023		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0056		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.017		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.042		mg/Kg-dry	1	4/7/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: DUP-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:01:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-027

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/7/2021		Analyst: TEM
Aniline	ND	0.42		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.42		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.22		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: DUP-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:01:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-027

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.042		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.22		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.042		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.85		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/6/2021
Arsenic	12	1.1		mg/Kg-dry	10	4/6/2021
Barium	260	1.1		mg/Kg-dry	10	4/6/2021
Beryllium	0.83	0.56		mg/Kg-dry	10	4/6/2021
Cadmium	0.98	0.56		mg/Kg-dry	10	4/6/2021
Calcium	7500	67		mg/Kg-dry	10	4/6/2021
Chromium	22	1.1		mg/Kg-dry	10	4/6/2021

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

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: DUP-01 (0-5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:01:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-027

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Cobalt	26	1.1		mg/Kg-dry	10	4/6/2021
Copper	18	2.8		mg/Kg-dry	10	4/6/2021
Iron	27000	34		mg/Kg-dry	10	4/6/2021
Lead	21	0.56		mg/Kg-dry	10	4/6/2021
Magnesium	4800	34		mg/Kg-dry	10	4/6/2021
Manganese	1400	1.1		mg/Kg-dry	10	4/6/2021
Nickel	36	1.1		mg/Kg-dry	10	4/6/2021
Potassium	890	34		mg/Kg-dry	10	4/6/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/6/2021
Silver	ND	1.1		mg/Kg-dry	10	4/6/2021
Sodium	2900	67		mg/Kg-dry	10	4/6/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/6/2021
Vanadium	51	1.1		mg/Kg-dry	10	4/6/2021
Zinc	64	5.6		mg/Kg-dry	10	4/6/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.025	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	ND	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	0.58	0.10		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.0063	0.0040		mg/L	2	4/12/2021
Nickel	ND	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.25	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-027

Client Sample ID: DUP-01 (0-5)

Collection Date: 4/2/2021 9:01:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	0.30	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.081	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.066	0.025		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.82			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	21.2	0.2	*	wt%	1	4/8/2021

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: FAU 379 IL 126 at County Line Road Office Phone Number, if available: 847-705-4122

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

3078V-1 (100-200 blocks of IL 126), 3078V-4 (100 block of IL 126), 3078V-5 (26000 block of IL 126)

City: Plainfield, Yorkville State: IL Zip Code: 60544

County: Will Township: Plainfield, Kendall

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

Latitude: 41.60757 Longitude: - 88.25791

(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: BOW: BOA:

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

Estimated Volume of debris (cu. Yd.): 472

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 Figure 4-1 in the Final PSI Report and borings 3078V-1-07(IL RT 126 98+00, 25 Left), 3078V-1-09(IL RT 126 95+23, 25 Left), 3078V-1-13(County Line Rd 420+50, 30 Right), 3078V-4-02(County Line Rd 422+50, 30 Left), 3078V-4-03(County Line Rd 420+50, 30 Left), 3078V-5-05(IL RT 126 107+00, 30 Right), 3078V-5-06(IL RT 126 107+53, 30 Right).

- 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 report #21040119. 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.

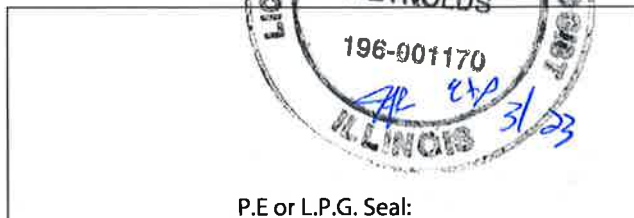
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

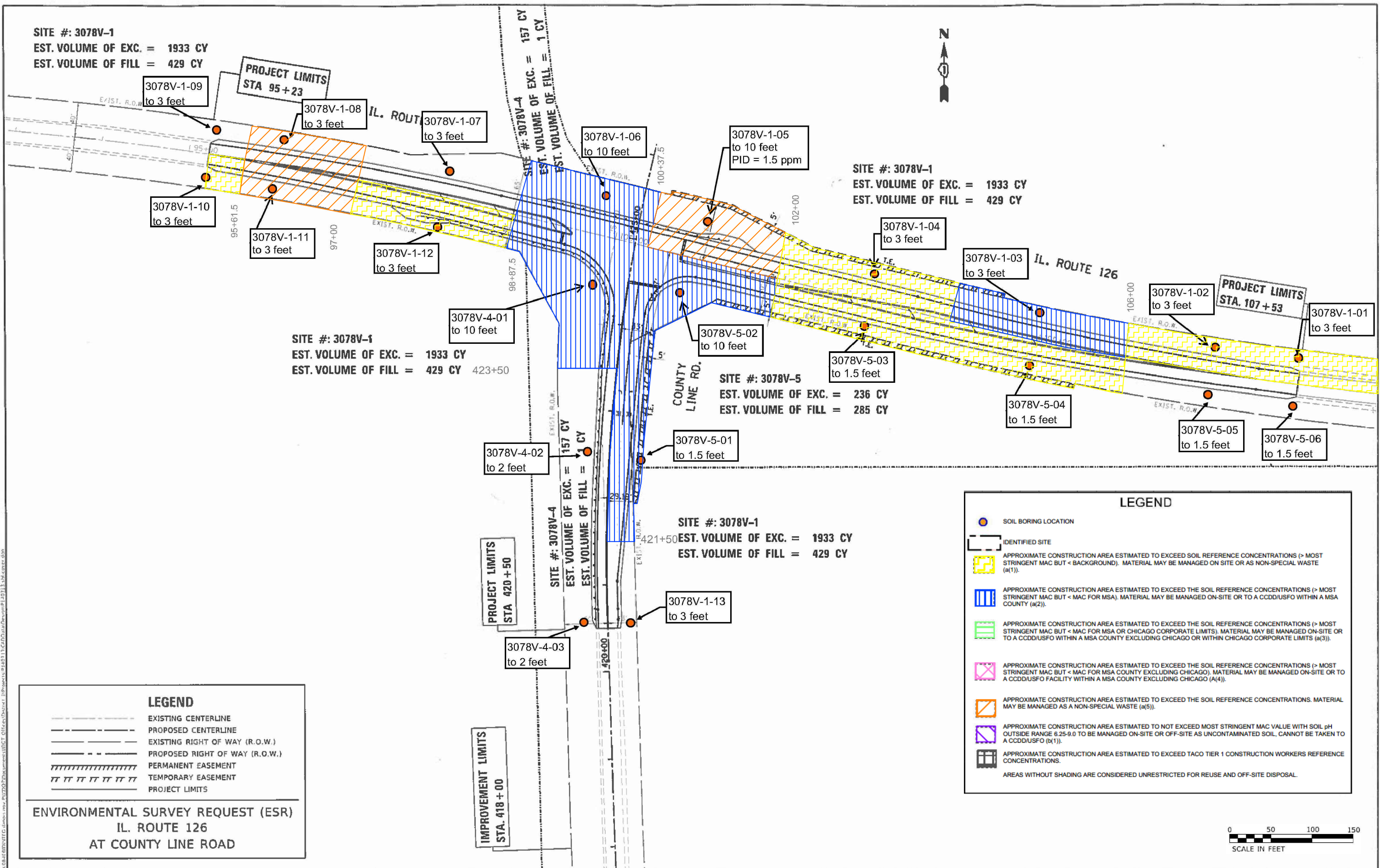
Jeremy J. Reynolds, P.G.
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

May 13, 2021
Date:



SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY



SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-5
 EST. VOLUME OF EXC. = 236 CY
 EST. VOLUME OF FILL = 285 CY

SITE #: 3078V-1
 EST. VOLUME OF EXC. = 1933 CY
 EST. VOLUME OF FILL = 429 CY

SITE #: 3078V-4
 EST. VOLUME OF EXC. = 157 CY
 EST. VOLUME OF FILL = 1 CY

LEGEND

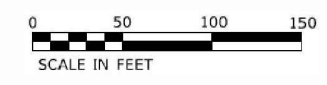
- SOIL BORING LOCATION
- IDENTIFIED SITE
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED SOIL REFERENCE CONCENTRATIONS (> MOST STRINGENT MAC BUT < BACKGROUND). MATERIAL MAY BE MANAGED ON-SITE OR AS NON-SPECIAL WASTE (a(1)).
- APPROXIMATE CONSTRUCTION AREA ESTIMATED TO EXCEED THE SOIL REFERENCE CONCENTRATIONS (> 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 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)).
- 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

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY (R.O.W.)
- PROPOSED RIGHT OF WAY (R.O.W.)
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- PROJECT LIMITS

**ENVIRONMENTAL SURVEY REQUEST (ESR)
 IL. ROUTE 126
 AT COUNTY LINE ROAD**



USER NAME = mrc/eda	DESIGNED -	REVISED -	REVISED -
	DRAWN -		REVISED -
PLOT SCALE = 1:50,000	CHECKED -		REVISED -
PLOT DATE = 31/29/2013	DATE -		REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Figure 4-1 Extent of Potentially Impacted Soil Map
 Huff & Huff, Inc. WO #23A

SECTION 119CH&TS	COUNTY WILL	TOTAL SHEETS 1	SHEET NO. 1
CONTRACT NO. 62G10			

Soils for Unrestricted Reuse or Disposal at CCDD Facilities
 IDOT, District One
 Illinois Route 126 @ County Line Road
 Plainfield and Yorkville, Will-Kendal County, Illinois
 BDE Sequence No.: 19258A
 PTB: 178-008 / H&H-1, Work Order No.: 023A

Boring ID Sample Depth, ft Sample Date Excavation Area(s) [ISGS Site No.(s)]	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}	Soil Remediation Objective for Residential Exposure ^{c/}	3078V-1-07	3078V-1-09	3078V-1-13	3078V-4-02	3078V-4-03	3078V-5-05	3078V-5-06
				(0-3)	(0-3)	(0-3)	(0-2)	(0-2)	(0-1.5)	(0-1.5)
				04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021	04/02/2021
Parameter				3078V-1			3078V-4			
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	7.81	8.15	7.75	7.95	8.13	8.43	8.47
VOCs, mg/kg				NO EXCEEDANCES						
SVOCs, mg/kg				NO EXCEEDANCES						
Total Metals, mg/kg										
Arsenic	11.3 / 13	61	13	7.2	11	3.1	7.6	4.7	8.1	8.6
Chromium	21	690	230	20	31	24	21	23	25	24
Cobalt	20	12,000	4700	8.2	14	5.3	9.6	7.7	13	12
Iron	15,000 / 15,900	---	---	21000	33000	23000	24000	22000	27000	27000
Lead	107	700	400	19	18	14	18	16	23	19
Manganese	630 / 636	4,100	1600	490	1100	110	600	360	710	840
Selenium	1.3	1,000	390	1.2	1.6	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1
TCLP Metals, mg/L		Class I Groundwater ^{d/}								
Arsenic		0.05		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chromium		0.1		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Cobalt		1		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.066	< 0.010
Iron		5		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.38	< 0.25
Lead		0.0075		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0055	< 0.0050
Manganese		0.15		0.67	0.62	0.046	0.22	0.34	8.5	0.31
Selenium		0.05		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
SPLP Metals, mg/L		Class I Groundwater ^{d/}								
Arsenic		0.05		0.0052	0.0078	< 0.0040	0.0052	0.004	< 0.0040	< 0.0040
Chromium		0.1		< 0.0040	0.021	< 0.0040	0.011	0.0075	0.015	0.007
Cobalt		1		< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
Iron		5		< 0.60	16	0.88	5.1	3.6	5.8	3.4
Lead		0.0075		< 0.0020	0.0046	< 0.0020	0.0023	< 0.0020	0.0037	< 0.0020
Manganese		0.15		0.11	0.1	0.0057	0.035	0.02	0.086	0.044
Selenium		0.05		< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040

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

^{a/} 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.

^{b/} Soil Remediation Objective for Construction Workers, most stringent of the Ingestion or Inhalation exposure route.

^{c/} Soil Remediation Objective for Residential exposure, most stringent of the Ingestion or Inhalation exposure route.

^{d/} 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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-07 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT
Acetone	ND	0.070		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0048		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0048		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.070		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.048		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0048		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0094		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.019		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0094		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0048		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.014		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

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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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-07 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/6/2021	Analyst: DM
Aniline	ND	0.39		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.97		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.97		mg/Kg-dry	1	4/7/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-07 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.79		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS						
		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.2		mg/Kg-dry	10	4/9/2021
Arsenic	7.2	1.1		mg/Kg-dry	10	4/9/2021
Barium	120	1.1		mg/Kg-dry	10	4/9/2021
Beryllium	0.75	0.56		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.56		mg/Kg-dry	10	4/9/2021
Calcium	40000	67		mg/Kg-dry	10	4/9/2021
Chromium	20	1.1		mg/Kg-dry	10	4/9/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-07 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:37:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Cobalt	8.2	1.1		mg/Kg-dry	10	4/9/2021
Copper	19	2.8		mg/Kg-dry	10	4/9/2021
Iron	21000	33		mg/Kg-dry	10	4/9/2021
Lead	19	0.56		mg/Kg-dry	10	4/9/2021
Magnesium	23000	33		mg/Kg-dry	10	4/9/2021
Manganese	490	1.1		mg/Kg-dry	10	4/9/2021
Nickel	18	1.1		mg/Kg-dry	10	4/9/2021
Potassium	1300	33		mg/Kg-dry	10	4/9/2021
Selenium	1.2	1.1		mg/Kg-dry	10	4/9/2021
Silver	ND	1.1		mg/Kg-dry	10	4/9/2021
Sodium	3500	67		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/9/2021
Vanadium	31	1.1		mg/Kg-dry	10	4/9/2021
Zinc	67	5.6		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	0.0052	0.0040		mg/L	2	4/12/2021
Barium	0.44	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	ND	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	ND	0.60		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.11	0.0040		mg/L	2	4/12/2021
Nickel	0.0091	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.040	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.66	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-009

Client Sample ID: 3078V-1-07 (0-3)

Collection Date: 4/2/2021 10:37:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.67	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/8/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/8/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.037	0.021		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.81			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	15.8	0.2	*	wt%	1	4/8/2021

Qualifiers:
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Date Reported: April 15, 2021

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-09 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:40:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: JDT
Acetone	ND	0.072		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0097		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.072		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0097		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0097		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0097		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	4/7/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-09 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:40:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/6/2021		Analyst: DM
Aniline	ND	0.40		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.40		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021

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

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

Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-09 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:40:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/6/2021		Analyst: DM
Fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.040		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.80		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.4		mg/Kg-dry	10	4/9/2021
Arsenic	11	1.2		mg/Kg-dry	10	4/9/2021
Barium	150	1.2		mg/Kg-dry	10	4/9/2021
Beryllium	1.1	0.60		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.60		mg/Kg-dry	10	4/9/2021
Calcium	6200	72		mg/Kg-dry	10	4/9/2021
Chromium	31	1.2		mg/Kg-dry	10	4/9/2021

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Date Reported: April 15, 2021

ANALYTICAL RESULTS

Date Printed: April 15, 2021

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-09 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 10:40:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	14	1.2		mg/Kg-dry	10	4/9/2021
Copper	27	3.0		mg/Kg-dry	10	4/9/2021
Iron	33000	36		mg/Kg-dry	10	4/9/2021
Lead	18	0.60		mg/Kg-dry	10	4/9/2021
Magnesium	5700	36		mg/Kg-dry	10	4/9/2021
Manganese	1100	1.2		mg/Kg-dry	10	4/9/2021
Nickel	33	1.2		mg/Kg-dry	10	4/9/2021
Potassium	1800	36		mg/Kg-dry	10	4/9/2021
Selenium	1.6	1.2		mg/Kg-dry	10	4/9/2021
Silver	ND	1.2		mg/Kg-dry	10	4/9/2021
Sodium	3200	72		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/9/2021
Vanadium	51	1.2		mg/Kg-dry	10	4/9/2021
Zinc	74	6.0		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.0078	0.0040		mg/L	2	4/12/2021
Barium	0.058	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.021	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	16	0.60		mg/L	2	4/12/2021
Lead	0.0046	0.0020		mg/L	2	4/12/2021
Manganese	0.10	0.0040		mg/L	2	4/12/2021
Nickel	0.015	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.048	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.58	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-011

Client Sample ID: 3078V-1-09 (0-3)

Collection Date: 4/2/2021 10:40:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.62	0.010		mg/L	5	4/9/2021
Nickel	0.012	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.051	0.024		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.15			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	18.2	0.2	*	wt%	1	4/8/2021

Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-02 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:17:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG
Acetone	ND	0.081		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0054		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.011		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.081		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.054		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0054		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.011		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.021		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.011		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0054		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.016		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Acenaphthene	ND	0.043		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.043		mg/Kg-dry	1	4/7/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-02 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:17:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.43		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.43		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.043		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.043		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.043		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.22		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021

ND - Not Detected at the Reporting Limit

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Qualifiers:

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

Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-02 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:17:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.043		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.043		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.22		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.043		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.043		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.043		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.043		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.043		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.043		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.043		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.86		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/9/2021
Arsenic	7.6	1.1		mg/Kg-dry	10	4/9/2021
Barium	160	1.1		mg/Kg-dry	10	4/9/2021
Beryllium	0.88	0.57		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.57		mg/Kg-dry	10	4/9/2021
Calcium	16000	69		mg/Kg-dry	10	4/9/2021
Chromium	21	1.1		mg/Kg-dry	10	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-02 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:17:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	9.6	1.1		mg/Kg-dry	10	4/9/2021
Copper	21	2.9		mg/Kg-dry	10	4/9/2021
Iron	24000	34		mg/Kg-dry	10	4/9/2021
Lead	18	0.57		mg/Kg-dry	10	4/9/2021
Magnesium	10000	34		mg/Kg-dry	10	4/9/2021
Manganese	600	1.1		mg/Kg-dry	10	4/9/2021
Nickel	22	1.1		mg/Kg-dry	10	4/9/2021
Potassium	1000	34		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/9/2021
Silver	ND	1.1		mg/Kg-dry	10	4/9/2021
Sodium	5900	69		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/9/2021
Vanadium	35	1.1		mg/Kg-dry	10	4/9/2021
Zinc	67	5.7		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.0052	0.0040		mg/L	2	4/12/2021
Barium	0.13	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.011	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	5.1	0.10		mg/L	2	4/12/2021
Lead	0.0023	0.0020		mg/L	2	4/12/2021
Manganese	0.035	0.0040		mg/L	2	4/12/2021
Nickel	0.0064	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.025	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.44	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-017

Client Sample ID: 3078V-4-02 (0-2)

Collection Date: 4/2/2021 11:17:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.22	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.048	0.024		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.95			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	22.8	0.2	*	wt%	1	4/8/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
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 HT - Sample received past holding time
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RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-03 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:19:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG
Acetone	ND	0.098		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0065		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0065		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.013		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.098		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.065		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0065		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0065		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.013		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0065		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.013		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0065		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0065		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0065		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.026		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.013		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0065		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0065		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0065		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0065		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0065		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.020		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Acenaphthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.042		mg/Kg-dry	1	4/7/2021

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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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-03 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:19:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.42		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.42		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.1		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.22		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.1		mg/Kg-dry	1	4/7/2021

ND - Not Detected at the Reporting Limit

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Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-03 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:19:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.042		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.042		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.22		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.042		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.042		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.042		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.85		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/9/2021
Arsenic	4.7	1.2		mg/Kg-dry	10	4/9/2021
Barium	140	1.2		mg/Kg-dry	10	4/9/2021
Beryllium	0.91	0.58		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.58		mg/Kg-dry	10	4/9/2021
Calcium	10000	69		mg/Kg-dry	10	4/9/2021
Chromium	23	1.2		mg/Kg-dry	10	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-4-03 (0-2)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 11:19:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-018

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG	
Cobalt	7.7	1.2		mg/Kg-dry	10	4/9/2021
Copper	20	2.9		mg/Kg-dry	10	4/9/2021
Iron	22000	35		mg/Kg-dry	10	4/9/2021
Lead	16	0.58		mg/Kg-dry	10	4/9/2021
Magnesium	6900	35		mg/Kg-dry	10	4/9/2021
Manganese	360	1.2		mg/Kg-dry	10	4/9/2021
Nickel	20	1.2		mg/Kg-dry	10	4/9/2021
Potassium	940	35		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.2		mg/Kg-dry	10	4/9/2021
Silver	ND	1.2		mg/Kg-dry	10	4/9/2021
Sodium	3700	69		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.2		mg/Kg-dry	10	4/9/2021
Vanadium	36	1.2		mg/Kg-dry	10	4/9/2021
Zinc	62	5.8		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG	
Arsenic	0.0040	0.0040		mg/L	2	4/12/2021
Barium	0.065	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.0075	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	3.6	0.10		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.020	0.0040		mg/L	2	4/12/2021
Nickel	0.0044	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.50	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-018

Client Sample ID: 3078V-4-03 (0-2)

Collection Date: 4/2/2021 11:19:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.34	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.043	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.13			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	21.6	0.2	*	wt%	1	4/8/2021

Qualifiers:
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RL - Reporting / Quantitation Limit for the analysis
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-13 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG
Acetone	ND	0.074		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.0099		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.074		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.049		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.0099		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0049		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.0099		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0020		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0049		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.020		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.020		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.0099		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0049		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.015		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Acenaphthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.041		mg/Kg-dry	1	4/7/2021

Qualifiers:
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-13 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)			Prep Date: 4/7/2021		Analyst: TEM
Aniline	ND	0.41		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.41		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.041		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021

Qualifiers:
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 J - Analyte detected below quantitation limits
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-13 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.041		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.041		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.041		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.041		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.041		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.041		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.041		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.83		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/9/2021
Arsenic	3.1	1.1		mg/Kg-dry	10	4/9/2021
Barium	130	1.1		mg/Kg-dry	10	4/9/2021
Beryllium	0.96	0.57		mg/Kg-dry	10	4/9/2021
Cadmium	ND	0.57		mg/Kg-dry	10	4/9/2021
Calcium	7800	68		mg/Kg-dry	10	4/9/2021
Chromium	24	1.1		mg/Kg-dry	10	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-1-13 (0-3)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:30:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-019

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/9/2021		Analyst: JG
Cobalt	5.3	1.1		mg/Kg-dry	10	4/9/2021
Copper	19	2.8		mg/Kg-dry	10	4/9/2021
Iron	23000	34		mg/Kg-dry	10	4/9/2021
Lead	14	0.57		mg/Kg-dry	10	4/9/2021
Magnesium	5800	34		mg/Kg-dry	10	4/9/2021
Manganese	110	1.1		mg/Kg-dry	10	4/9/2021
Nickel	17	1.1		mg/Kg-dry	10	4/9/2021
Potassium	940	34		mg/Kg-dry	10	4/9/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/9/2021
Silver	ND	1.1		mg/Kg-dry	10	4/9/2021
Sodium	320	68		mg/Kg-dry	10	4/9/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/9/2021
Vanadium	33	1.1		mg/Kg-dry	10	4/9/2021
Zinc	65	5.7		mg/Kg-dry	10	4/9/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.071	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	ND	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	0.88	0.10		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.0057	0.0040		mg/L	2	4/12/2021
Nickel	ND	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.25	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-019

Client Sample ID: 3078V-1-13 (0-3)

Collection Date: 4/2/2021 9:30:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.046	0.010		mg/L	5	4/9/2021
Nickel	ND	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.069	0.024		mg/Kg-dry	1	4/14/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	7.75			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	19.9	0.2	*	wt%	1	4/8/2021

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
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 R - RPD outside accepted recovery limits
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-05 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:55:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.090		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0060		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0060		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.012		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.090		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.060		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0060		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0060		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.012		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0060		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.012		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0060		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0060		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0024		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0060		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.024		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.012		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0060		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0060		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0060		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0060		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0060		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.018		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.040		mg/Kg-dry	1	4/7/2021

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
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-05 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:55:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.40		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.21		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	1.0		mg/Kg-dry	1	4/7/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
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 HT - Sample received past holding time
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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-05 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:55:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.040		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.040		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.21		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.040		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.040		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.040		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.81		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Antimony	ND	2.2		mg/Kg-dry	10	4/6/2021
Arsenic	8.1	1.1		mg/Kg-dry	10	4/6/2021
Barium	180	1.1		mg/Kg-dry	10	4/6/2021
Beryllium	0.84	0.55		mg/Kg-dry	10	4/6/2021
Cadmium	ND	0.55		mg/Kg-dry	10	4/6/2021
Calcium	37000	66		mg/Kg-dry	10	4/6/2021
Chromium	25	1.1		mg/Kg-dry	10	4/6/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-05 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:55:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-025

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Cobalt	13	1.1		mg/Kg-dry	10	4/6/2021
Copper	25	2.8		mg/Kg-dry	10	4/6/2021
Iron	27000	33		mg/Kg-dry	10	4/6/2021
Lead	23	0.55		mg/Kg-dry	10	4/6/2021
Magnesium	17000	33		mg/Kg-dry	10	4/6/2021
Manganese	710	1.1		mg/Kg-dry	10	4/6/2021
Nickel	28	1.1		mg/Kg-dry	10	4/6/2021
Potassium	1800	33		mg/Kg-dry	10	4/6/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/6/2021
Silver	ND	1.1		mg/Kg-dry	10	4/6/2021
Sodium	3000	66		mg/Kg-dry	10	4/6/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/6/2021
Vanadium	42	1.1		mg/Kg-dry	10	4/6/2021
Zinc	76	5.5		mg/Kg-dry	10	4/6/2021
SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)		Prep Date: 4/12/2021		Analyst: JG
Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.084	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.015	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	5.8	0.10		mg/L	2	4/12/2021
Lead	0.0037	0.0020		mg/L	2	4/12/2021
Manganese	0.086	0.0040		mg/L	2	4/12/2021
Nickel	0.0097	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	0.027	0.020		mg/L	2	4/12/2021
TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG
Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.78	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	0.066	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

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

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-025

Client Sample ID: 3078V-5-05 (0-1.5)

Collection Date: 4/2/2021 9:55:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	0.38	0.25		mg/L	5	4/9/2021
Lead	0.0055	0.0050		mg/L	5	4/9/2021
Manganese	8.5	0.010		mg/L	5	4/9/2021
Nickel	0.041	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.025	0.024		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.43			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	18.1	0.2	*	wt%	1	4/8/2021

Qualifiers:

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-06 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:58:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 4/6/2021		Analyst: CBG	
Acetone	ND	0.093		mg/Kg-dry	1	4/8/2021
Benzene	ND	0.0062		mg/Kg-dry	1	4/8/2021
Bromodichloromethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
Bromoform	ND	0.0062		mg/Kg-dry	1	4/8/2021
Bromomethane	ND	0.012		mg/Kg-dry	1	4/8/2021
2-Butanone	ND	0.093		mg/Kg-dry	1	4/8/2021
Carbon disulfide	ND	0.062		mg/Kg-dry	1	4/8/2021
Carbon tetrachloride	ND	0.0062		mg/Kg-dry	1	4/8/2021
Chlorobenzene	ND	0.0062		mg/Kg-dry	1	4/8/2021
Chloroethane	ND	0.012		mg/Kg-dry	1	4/8/2021
Chloroform	ND	0.0062		mg/Kg-dry	1	4/8/2021
Chloromethane	ND	0.012		mg/Kg-dry	1	4/8/2021
Dibromochloromethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,2-Dichloroethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,1-Dichloroethene	ND	0.0062		mg/Kg-dry	1	4/8/2021
cis-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	4/8/2021
trans-1,2-Dichloroethene	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,2-Dichloropropane	ND	0.0062		mg/Kg-dry	1	4/8/2021
cis-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	4/8/2021
trans-1,3-Dichloropropene	ND	0.0025		mg/Kg-dry	1	4/8/2021
Ethylbenzene	ND	0.0062		mg/Kg-dry	1	4/8/2021
2-Hexanone	ND	0.025		mg/Kg-dry	1	4/8/2021
4-Methyl-2-pentanone	ND	0.025		mg/Kg-dry	1	4/8/2021
Methylene chloride	ND	0.012		mg/Kg-dry	1	4/8/2021
Methyl tert-butyl ether	ND	0.0062		mg/Kg-dry	1	4/8/2021
Styrene	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,1,2,2-Tetrachloroethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
Tetrachloroethene	ND	0.0062		mg/Kg-dry	1	4/8/2021
Toluene	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,1,1-Trichloroethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
1,1,2-Trichloroethane	ND	0.0062		mg/Kg-dry	1	4/8/2021
Trichloroethene	ND	0.0062		mg/Kg-dry	1	4/8/2021
Vinyl chloride	ND	0.0062		mg/Kg-dry	1	4/8/2021
Xylenes, Total	ND	0.019		mg/Kg-dry	1	4/8/2021
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM	
Acenaphthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/7/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-06 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:58:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 4/7/2021	Analyst: TEM
Aniline	ND	0.40		mg/Kg-dry	1	4/7/2021
Anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzidine	ND	0.39		mg/Kg-dry	1	4/7/2021
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Benzoic acid	ND	0.99		mg/Kg-dry	1	4/7/2021
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Butyl benzyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
Carbazole	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/7/2021
Chrysene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	4/7/2021
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/7/2021
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Diethyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Dimethyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/7/2021
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	4/7/2021
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/7/2021
Di-n-butyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021
Di-n-octyl phthalate	ND	0.99		mg/Kg-dry	1	4/7/2021

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Date Reported: April 15, 2021

Date Printed: April 15, 2021

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-06 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:58:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-026

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270D (SW3550B)		Prep Date: 4/7/2021		Analyst: TEM
Fluoranthene	ND	0.039		mg/Kg-dry	1	4/7/2021
Fluorene	ND	0.039		mg/Kg-dry	1	4/7/2021
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/7/2021
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/7/2021
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Isophorone	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Naphthalene	ND	0.039		mg/Kg-dry	1	4/7/2021
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/7/2021
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/7/2021
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/7/2021
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	4/7/2021
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/7/2021
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenanthrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Phenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Pyrene	ND	0.039		mg/Kg-dry	1	4/7/2021
Pyridine	ND	0.80		mg/Kg-dry	1	4/7/2021
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/7/2021
Metals by ICP/MS		SW6020A (SW3050B)		Prep Date: 4/6/2021		Analyst: JG
Antimony	ND	2.3		mg/Kg-dry	10	4/6/2021
Arsenic	8.6	1.1		mg/Kg-dry	10	4/6/2021
Barium	150	1.1		mg/Kg-dry	10	4/6/2021
Beryllium	0.78	0.57		mg/Kg-dry	10	4/6/2021
Cadmium	ND	0.57		mg/Kg-dry	10	4/6/2021
Calcium	26000	68		mg/Kg-dry	10	4/6/2021
Chromium	24	1.1		mg/Kg-dry	10	4/6/2021

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Date Reported: April 15, 2021

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: 3078V-5-06 (0-1.5)

Work Order: 21040119 Revision 0

Collection Date: 4/2/2021 9:58:00 AM

Project: 81.0220509.46, IDOT WO#23, Plainfield

Matrix: Soil

Lab ID: 21040119-026

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

Prep Date: 4/6/2021

Analyst: JG

Cobalt	12	1.1		mg/Kg-dry	10	4/6/2021
Copper	24	2.9		mg/Kg-dry	10	4/6/2021
Iron	27000	34		mg/Kg-dry	10	4/6/2021
Lead	19	0.57		mg/Kg-dry	10	4/6/2021
Magnesium	14000	34		mg/Kg-dry	10	4/6/2021
Manganese	840	1.1		mg/Kg-dry	10	4/6/2021
Nickel	28	1.1		mg/Kg-dry	10	4/6/2021
Potassium	1800	34		mg/Kg-dry	10	4/6/2021
Selenium	ND	1.1		mg/Kg-dry	10	4/6/2021
Silver	ND	1.1		mg/Kg-dry	10	4/6/2021
Sodium	2100	68		mg/Kg-dry	10	4/6/2021
Thallium	ND	1.1		mg/Kg-dry	10	4/6/2021
Vanadium	39	1.1		mg/Kg-dry	10	4/6/2021
Zinc	73	5.7		mg/Kg-dry	10	4/6/2021

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

Prep Date: 4/12/2021

Analyst: JG

Arsenic	ND	0.0040		mg/L	2	4/12/2021
Barium	0.067	0.020		mg/L	2	4/12/2021
Beryllium	ND	0.0020		mg/L	2	4/12/2021
Cadmium	ND	0.0020		mg/L	2	4/12/2021
Chromium	0.0070	0.0040		mg/L	2	4/12/2021
Cobalt	ND	0.0040		mg/L	2	4/12/2021
Copper	ND	0.040		mg/L	2	4/12/2021
Iron	3.4	0.10		mg/L	2	4/12/2021
Lead	ND	0.0020		mg/L	2	4/12/2021
Manganese	0.044	0.0040		mg/L	2	4/12/2021
Nickel	0.0046	0.0040		mg/L	2	4/12/2021
Selenium	ND	0.0040		mg/L	2	4/12/2021
Silver	ND	0.0040		mg/L	2	4/12/2021
Zinc	ND	0.020		mg/L	2	4/12/2021

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

Prep Date: 4/8/2021

Analyst: JG

Arsenic	ND	0.010		mg/L	5	4/9/2021
Barium	0.95	0.050		mg/L	5	4/9/2021
Beryllium	ND	0.0050		mg/L	5	4/9/2021
Cadmium	ND	0.0050		mg/L	5	4/9/2021
Chromium	ND	0.010		mg/L	5	4/9/2021
Cobalt	ND	0.010		mg/L	5	4/9/2021
Copper	ND	0.10		mg/L	5	4/9/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

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ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Work Order: 21040119 Revision 0

Project: 81.0220509.46, IDOT WO#23, Plainfield

Lab ID: 21040119-026

Client Sample ID: 3078V-5-06 (0-1.5)

Collection Date: 4/2/2021 9:58:00 AM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 4/8/2021		Analyst: JG	
Iron	ND	0.25		mg/L	5	4/9/2021
Lead	ND	0.0050		mg/L	5	4/9/2021
Manganese	0.31	0.010		mg/L	5	4/9/2021
Nickel	0.012	0.010		mg/L	5	4/9/2021
Selenium	ND	0.010		mg/L	5	4/9/2021
Silver	ND	0.010		mg/L	5	4/9/2021
Zinc	ND	0.050		mg/L	5	4/9/2021
TCLP Mercury	SW1311/7470A		Prep Date: 4/9/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/12/2021
SPLP Mercury	SW1312/7470A		Prep Date: 4/12/2021		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	4/13/2021
Mercury	SW7471B		Prep Date: 4/9/2021		Analyst: LB	
Mercury	0.030	0.020		mg/Kg-dry	1	4/13/2021
pH (25 °C)	SW9045C		Prep Date: 4/7/2021		Analyst: FN	
pH	8.47			pH Units	1	4/7/2021
Percent Moisture	D2974		Prep Date: 4/7/2021		Analyst: FN	
Percent Moisture	17.1	0.2	*	wt%	1	4/8/2021

Qualifiers:
 ND - Not Detected at the Reporting Limit
 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
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 E - Value above quantitation range
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