

*IDOT 199-014 WO#03
I-290 / Kensington Road Drainage
PSI Report
LPC-663 CCDD Form Package*

APPENDIX D

LPC-663 CCDD DOCUMENTS



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: IDOT 199-014 WO 03 I-290 and Kensington Rd - PSI Office Phone Number, if available: 847-705-4122

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

Site: Kensington-1 (Kensington Rd east of Wilshire Drive, 400 E. Kensington Rd)

City: Mount Prospect State: IL Zip Code: 60056

County: Cook Township: Elk Grove

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

Latitude: 42.08064 Longitude: - 87.92955

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth - Approximate center of multiple addresses

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

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

Estimated Volume of debris (cu. Yd.): 16

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 4-1.2 in the Final PSI Report and boring Kensington-1-01 (Kensington Sta. 26+00, 20 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 Corporation report number #22020244. 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.

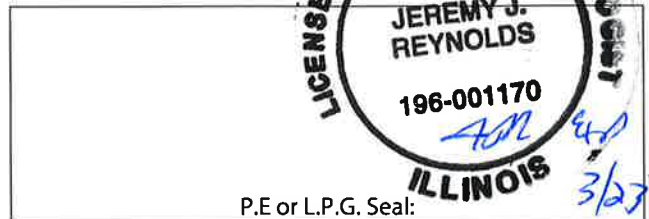
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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:

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

Mar 30, 2022
Date:



LPC-663 Results
 Soils for Unrestricted Reuse or Disposal at CCDD Facilities
 IDOT, District One
 I-290 and Kensington Road, Elmhurst and Mt. Prospect, DuPage and Cook County, Illinois
 BDE Sequence No.: 24189
 PTB: 199-014 / H-2, Work Order No.: 003

Boring ID	Soil Reference Concentrations ^{a/}	Soil Remediation Objective for Construction Workers ^{b/}		Soil Remediation Objective for Residential Exposure ^{c/}		Kensington-1-01	Kensington-1-01	Kensington-1-01
		Ingestion Exposure Route	Inhalation Exposure Route	Ingestion Exposure Route	Inhalation Exposure Route	(0-5) 2/8/2022	(5-10) 2/8/2022	(10-12) 2/8/2022
Sample Depth, ft	Excavation Area(s) [ISGS Site No.(s)]					NA	NA	NA
Sample Date						NA	NA	NA
Parameter								
Laboratory soil pH (s.u.)	6.25 - 9.0	---	---	---	---	8.6	8.7	8.5
PID Readings (ppm)						0.0	0.0	0.0
VOCs, mg/kg						No Exceedances		
SVOCs, mg/kg						No Exceedances		
Total Metals, mg/kg								
Cobalt	20	12000	---	4,700	---	5.7	21	9.4
Iron	15,000 / 15,900	---	---	---	---	11000	20000	19000
Lead	107	700	---	400	---	26	14	20
Manganese	630 / 636	4100	8,700	1,600	---	330	860	420
TCLP Metals, mg/L	Class I Groundwater ^{d/}							
Cobalt			1			< 0.010	< 0.010	< 0.010
Iron			5			< 0.25	< 0.25	< 0.25
Lead			0.0075			< 0.0050	< 0.0050	< 0.0050
Manganese			0.15			0.14	1.1	1.2
SPLP Metals, mg/L	Class I Groundwater ^{d/}							
Cobalt			1			< 0.0040	0.0073	< 0.0040
Iron			5			9.8	22	3
Lead			0.0075			0.01	0.012	0.0024
Manganese			0.15			0.069	0.12	0.017

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

^{a/} Soil reference concentrations from MAC table. Background values for MSA counties are included as applicable.

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

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

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

^{d/} Soil Remediation Objective for the Groundwater Component of the Groundwater Ingestion Route, Class I Groundwater.

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

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

Report Date: March 16, 2022

ANALYTICAL RESULTS

Print Date: March 16, 2022

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (0-5)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:02:00 PM

Lab ID: 22020244-003A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 2/10/2022		Analyst: KVV	
Acetone	ND	0.069		mg/Kg-dry	1	2/19/2022
Benzene	ND	0.0046		mg/Kg-dry	1	2/19/2022
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
Bromoform	ND	0.0046		mg/Kg-dry	1	2/19/2022
Bromomethane	ND	0.0091		mg/Kg-dry	1	2/19/2022
2-Butanone	ND	0.069		mg/Kg-dry	1	2/19/2022
Carbon disulfide	ND	0.046		mg/Kg-dry	1	2/19/2022
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	2/19/2022
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	2/19/2022
Chloroethane	ND	0.0091		mg/Kg-dry	1	2/19/2022
Chloroform	ND	0.0046		mg/Kg-dry	1	2/19/2022
Chloromethane	ND	0.0091		mg/Kg-dry	1	2/19/2022
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	2/19/2022
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	2/19/2022
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	2/19/2022
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	2/19/2022
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	2/19/2022
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	2/19/2022
2-Hexanone	ND	0.018		mg/Kg-dry	1	2/19/2022
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	2/19/2022
Methylene chloride	ND	0.0091		mg/Kg-dry	1	2/19/2022
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	2/19/2022
Styrene	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	2/19/2022
Toluene	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	2/19/2022
Trichloroethene	ND	0.0046		mg/Kg-dry	1	2/19/2022
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	2/19/2022
Xylenes, Total	ND	0.014		mg/Kg-dry	1	2/19/2022

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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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (0-5)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:02:00 PM

Lab ID: 22020244-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 2/11/2022	Analyst: TEM
Acenaphthene	ND	0.039		mg/Kg-dry	1	2/14/2022
Acenaphthylene	ND	0.039		mg/Kg-dry	1	2/14/2022
Aniline	ND	0.40		mg/Kg-dry	1	2/14/2022
Anthracene	ND	0.039		mg/Kg-dry	1	2/14/2022
Benz(a)anthracene	0.067	0.039		mg/Kg-dry	1	2/14/2022
Benzidine	ND	0.39		mg/Kg-dry	1	2/14/2022
Benzo(a)pyrene	0.074	0.039		mg/Kg-dry	1	2/14/2022
Benzo(b)fluoranthene	0.064	0.039		mg/Kg-dry	1	2/14/2022
Benzo(g,h,i)perylene	0.052	0.039		mg/Kg-dry	1	2/14/2022
Benzo(k)fluoranthene	0.084	0.039		mg/Kg-dry	1	2/14/2022
Benzoic acid	ND	0.99		mg/Kg-dry	1	2/14/2022
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Butyl benzyl phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
Carbazole	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	2/14/2022
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Chrysene	0.080	0.039		mg/Kg-dry	1	2/14/2022
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	2/14/2022
Dibenzofuran	ND	0.20		mg/Kg-dry	1	2/14/2022
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Diethyl phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Dimethyl phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	2/14/2022
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	2/14/2022
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	2/14/2022
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	2/14/2022

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

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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (0-5)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:02:00 PM

Lab ID: 22020244-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 2/11/2022		Analyst: TEM
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Di-n-butyl phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
Di-n-octyl phthalate	ND	0.99		mg/Kg-dry	1	2/14/2022
Fluoranthene	0.16	0.039		mg/Kg-dry	1	2/14/2022
Fluorene	ND	0.039		mg/Kg-dry	1	2/14/2022
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachloroethane	ND	0.20		mg/Kg-dry	1	2/14/2022
Indeno(1,2,3-cd)pyrene	0.046	0.039		mg/Kg-dry	1	2/14/2022
Isophorone	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Methylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Methylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Naphthalene	ND	0.039		mg/Kg-dry	1	2/14/2022
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	2/14/2022
Nitrobenzene	ND	0.039		mg/Kg-dry	1	2/14/2022
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	2/14/2022
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	2/14/2022
N-Nitrosodiphenylamine	ND	0.039		mg/Kg-dry	1	2/14/2022
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	2/14/2022
Pentachlorophenol	ND	0.039		mg/Kg-dry	1	2/14/2022
Phenanthrene	0.066	0.039		mg/Kg-dry	1	2/14/2022
Phenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Pyrene	0.13	0.039		mg/Kg-dry	1	2/14/2022
Pyridine	ND	0.80		mg/Kg-dry	1	2/14/2022
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 2/16/2022		Analyst: JG
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Antimony	ND	2.3		mg/Kg-dry	10	2/16/2022
Arsenic	4.0	1.1		mg/Kg-dry	10	2/16/2022
Barium	46	1.1		mg/Kg-dry	10	2/16/2022
Beryllium	ND	0.57		mg/Kg-dry	10	2/16/2022
Cadmium	ND	0.57		mg/Kg-dry	10	2/16/2022

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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Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (0-5)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:02:00 PM

Lab ID: 22020244-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Metals by ICP/MS		SW6020A (SW3050B)			Prep Date: 2/16/2022	Analyst: JG
Calcium	40000	69		mg/Kg-dry	10	2/16/2022
Chromium	9.5	1.1		mg/Kg-dry	10	2/16/2022
Cobalt	5.7	1.1		mg/Kg-dry	10	2/16/2022
Copper	13	2.9		mg/Kg-dry	10	2/16/2022
Iron	11000	34		mg/Kg-dry	10	2/16/2022
Lead	26	0.57		mg/Kg-dry	10	2/16/2022
Magnesium	22000	34		mg/Kg-dry	10	2/16/2022
Manganese	330	1.1		mg/Kg-dry	10	2/16/2022
Nickel	13	1.1		mg/Kg-dry	10	2/16/2022
Potassium	610	34		mg/Kg-dry	10	2/16/2022
Selenium	ND	1.1		mg/Kg-dry	10	2/16/2022
Silver	ND	1.1	*	mg/Kg-dry	10	2/16/2022
Sodium	360	69		mg/Kg-dry	10	2/16/2022
Thallium	ND	1.1		mg/Kg-dry	10	2/16/2022
Vanadium	13	1.1		mg/Kg-dry	10	2/16/2022
Zinc	38	5.7		mg/Kg-dry	10	2/16/2022

SPLP Metals by ICP/MS		SW1312/6020A (SW3005A)			Prep Date: 2/11/2022	Analyst: JG
Arsenic	0.0050	0.0040		mg/L	2	2/11/2022
Barium	0.048	0.020		mg/L	2	2/11/2022
Beryllium	ND	0.0020		mg/L	2	2/11/2022
Cadmium	ND	0.0020		mg/L	2	2/11/2022
Chromium	0.015	0.0040		mg/L	2	2/11/2022
Cobalt	ND	0.0040		mg/L	2	2/11/2022
Copper	ND	0.040		mg/L	2	2/11/2022
Iron	9.8	0.20		mg/L	2	2/11/2022
Lead	0.010	0.0020		mg/L	2	2/11/2022
Manganese	0.069	0.0040		mg/L	2	2/11/2022
Nickel	0.0098	0.0080		mg/L	2	2/11/2022
Selenium	ND	0.0040		mg/L	2	2/11/2022
Silver	ND	0.0040		mg/L	2	2/11/2022
Zinc	0.033	0.020		mg/L	2	2/11/2022

TCLP Metals by ICP/MS		SW1311/6020A (SW3005A)			Prep Date: 2/11/2022	Analyst: JG
Arsenic	ND	0.010		mg/L	5	2/11/2022
Barium	0.45	0.050		mg/L	5	2/11/2022
Beryllium	ND	0.0050		mg/L	5	2/11/2022
Cadmium	ND	0.0050		mg/L	5	2/11/2022
Chromium	ND	0.010		mg/L	5	2/11/2022

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

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

STAT Analysis Corporation

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

Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (0-5)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:02:00 PM

Lab ID: 22020244-003B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 2/11/2022		Analyst: JG	
Cobalt	ND	0.010		mg/L	5	2/11/2022
Copper	ND	0.10		mg/L	5	2/11/2022
Iron	ND	0.25		mg/L	5	2/11/2022
Lead	ND	0.0050		mg/L	5	2/11/2022
Manganese	0.14	0.010		mg/L	5	2/11/2022
Nickel	ND	0.020		mg/L	5	2/11/2022
Selenium	ND	0.010		mg/L	5	2/11/2022
Silver	ND	0.010		mg/L	5	2/11/2022
Zinc	ND	0.050		mg/L	5	2/11/2022
TCLP Mercury	SW1311/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
SPLP Mercury	SW1312/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
Mercury	SW7471B		Prep Date: 2/14/2022		Analyst: ZPT	
Mercury	0.025	0.021		mg/Kg-dry	1	2/15/2022
pH (25 °C)	SW9045C		Prep Date: 2/14/2022		Analyst: MAZ	
pH	8.6			pH Units	1	2/14/2022
Percent Moisture	D2974		Prep Date: 2/14/2022		Analyst: HYM	
Percent Moisture	17.6	0.2	*	wt%	1	2/15/2022

Qualifiers:
 ND - Not Detected at the Reporting Limit
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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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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (5-10)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:05:00 PM

Lab ID: 22020244-004A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 2/10/2022		Analyst: KVV	
Acetone	ND	0.071		mg/Kg-dry	1	2/19/2022
Benzene	ND	0.0048		mg/Kg-dry	1	2/19/2022
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
Bromoform	ND	0.0048		mg/Kg-dry	1	2/19/2022
Bromomethane	ND	0.0095		mg/Kg-dry	1	2/19/2022
2-Butanone	ND	0.071		mg/Kg-dry	1	2/19/2022
Carbon disulfide	ND	0.048		mg/Kg-dry	1	2/19/2022
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	2/19/2022
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	2/19/2022
Chloroethane	ND	0.0095		mg/Kg-dry	1	2/19/2022
Chloroform	ND	0.0048		mg/Kg-dry	1	2/19/2022
Chloromethane	ND	0.0095		mg/Kg-dry	1	2/19/2022
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	2/19/2022
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	2/19/2022
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	2/19/2022
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	2/19/2022
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	2/19/2022
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	2/19/2022
2-Hexanone	ND	0.019		mg/Kg-dry	1	2/19/2022
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	2/19/2022
Methylene chloride	ND	0.0095		mg/Kg-dry	1	2/19/2022
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	2/19/2022
Styrene	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	2/19/2022
Toluene	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	2/19/2022
Trichloroethene	ND	0.0048		mg/Kg-dry	1	2/19/2022
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	2/19/2022
Xylenes, Total	ND	0.014		mg/Kg-dry	1	2/19/2022

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	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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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (5-10)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:05:00 PM

Lab ID: 22020244-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 2/11/2022	Analyst: TEM
Acenaphthene	ND	0.038		mg/Kg-dry	1	2/14/2022
Acenaphthylene	ND	0.038		mg/Kg-dry	1	2/14/2022
Aniline	ND	0.38		mg/Kg-dry	1	2/14/2022
Anthracene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benzidine	ND	0.38		mg/Kg-dry	1	2/14/2022
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	2/14/2022
Benzoic acid	ND	0.96		mg/Kg-dry	1	2/14/2022
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Butyl benzyl phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
Carbazole	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	2/14/2022
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	2/14/2022
Chrysene	ND	0.038		mg/Kg-dry	1	2/14/2022
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	2/14/2022
Dibenzofuran	ND	0.20		mg/Kg-dry	1	2/14/2022
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Diethyl phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Dimethyl phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	2/14/2022
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	2/14/2022
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	2/14/2022
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	2/14/2022

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

Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (5-10)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:05:00 PM

Lab ID: 22020244-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 2/11/2022	Analyst: TEM
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Di-n-butyl phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
Di-n-octyl phthalate	ND	0.96		mg/Kg-dry	1	2/14/2022
Fluoranthene	ND	0.038		mg/Kg-dry	1	2/14/2022
Fluorene	ND	0.038		mg/Kg-dry	1	2/14/2022
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	2/14/2022
Hexachloroethane	ND	0.20		mg/Kg-dry	1	2/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	2/14/2022
Isophorone	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Methylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Methylphenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Naphthalene	ND	0.038		mg/Kg-dry	1	2/14/2022
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	2/14/2022
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	2/14/2022
Nitrobenzene	ND	0.038		mg/Kg-dry	1	2/14/2022
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	2/14/2022
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	2/14/2022
N-Nitrosodiphenylamine	ND	0.038		mg/Kg-dry	1	2/14/2022
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	2/14/2022
Pentachlorophenol	ND	0.038		mg/Kg-dry	1	2/14/2022
Phenanthrene	ND	0.038		mg/Kg-dry	1	2/14/2022
Phenol	ND	0.20		mg/Kg-dry	1	2/14/2022
Pyrene	ND	0.038		mg/Kg-dry	1	2/14/2022
Pyridine	ND	0.77		mg/Kg-dry	1	2/14/2022
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	2/14/2022

Metals by ICP/MS	SW6020A (SW3050B)				Prep Date: 2/16/2022	Analyst: JG
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Antimony	ND	2.1		mg/Kg-dry	10	2/16/2022
Arsenic	9.7	1.1		mg/Kg-dry	10	2/16/2022
Barium	47	1.1		mg/Kg-dry	10	2/16/2022
Beryllium	ND	0.53		mg/Kg-dry	10	2/16/2022
Cadmium	ND	0.53		mg/Kg-dry	10	2/16/2022

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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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (5-10)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:05:00 PM

Lab ID: 22020244-004B

Matrix: Soil

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

Prep Date: 2/16/2022

Analyst: JG

Calcium	64000	64		mg/Kg-dry	10	2/16/2022
Chromium	16	1.1		mg/Kg-dry	10	2/16/2022
Cobalt	21	1.1		mg/Kg-dry	10	2/17/2022
Copper	23	2.7		mg/Kg-dry	10	2/17/2022
Iron	20000	32		mg/Kg-dry	10	2/16/2022
Lead	14	0.53		mg/Kg-dry	10	2/16/2022
Magnesium	31000	32		mg/Kg-dry	10	2/16/2022
Manganese	860	1.1		mg/Kg-dry	10	2/16/2022
Nickel	46	1.1		mg/Kg-dry	10	2/16/2022
Potassium	1400	32		mg/Kg-dry	10	2/16/2022
Selenium	ND	1.1		mg/Kg-dry	10	2/16/2022
Silver	ND	1.1	*	mg/Kg-dry	10	2/16/2022
Sodium	1200	64		mg/Kg-dry	10	2/16/2022
Thallium	ND	1.1		mg/Kg-dry	10	2/16/2022
Vanadium	19	1.1		mg/Kg-dry	10	2/16/2022
Zinc	50	5.3		mg/Kg-dry	10	2/16/2022

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

Prep Date: 2/11/2022

Analyst: JG

Arsenic	0.014	0.0040		mg/L	2	2/11/2022
Barium	0.067	0.020		mg/L	2	2/11/2022
Beryllium	ND	0.0020		mg/L	2	2/11/2022
Cadmium	ND	0.0020		mg/L	2	2/11/2022
Chromium	0.022	0.0040		mg/L	2	2/11/2022
Cobalt	0.0073	0.0040		mg/L	2	2/11/2022
Copper	ND	0.040		mg/L	2	2/11/2022
Iron	22	0.20		mg/L	2	2/11/2022
Lead	0.012	0.0020		mg/L	2	2/11/2022
Manganese	0.12	0.0040		mg/L	2	2/11/2022
Nickel	0.029	0.0080		mg/L	2	2/11/2022
Selenium	ND	0.0040		mg/L	2	2/11/2022
Silver	ND	0.0040		mg/L	2	2/11/2022
Zinc	0.061	0.020		mg/L	2	2/11/2022

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

Prep Date: 2/11/2022

Analyst: JG

Arsenic	ND	0.010		mg/L	5	2/11/2022
Barium	0.26	0.050		mg/L	5	2/11/2022
Beryllium	ND	0.0050		mg/L	5	2/11/2022
Cadmium	ND	0.0050		mg/L	5	2/11/2022
Chromium	ND	0.010		mg/L	5	2/11/2022

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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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (5-10)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:05:00 PM

Lab ID: 22020244-004B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 2/11/2022		Analyst: JG	
Cobalt	ND	0.010		mg/L	5	2/11/2022
Copper	ND	0.10		mg/L	5	2/11/2022
Iron	ND	0.25		mg/L	5	2/11/2022
Lead	ND	0.0050		mg/L	5	2/11/2022
Manganese	1.1	0.010		mg/L	5	2/11/2022
Nickel	ND	0.020		mg/L	5	2/11/2022
Selenium	ND	0.010		mg/L	5	2/11/2022
Silver	ND	0.010		mg/L	5	2/11/2022
Zinc	ND	0.050		mg/L	5	2/11/2022
TCLP Mercury	SW1311/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
SPLP Mercury	SW1312/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
Mercury	SW7471B		Prep Date: 2/14/2022		Analyst: ZPT	
Mercury	ND	0.021		mg/Kg-dry	1	2/15/2022
pH (25 °C)	SW9045C		Prep Date: 2/14/2022		Analyst: MAZ	
pH	8.7			pH Units	1	2/14/2022
Percent Moisture	D2974		Prep Date: 2/14/2022		Analyst: HYM	
Percent Moisture	13.9	0.2	*	wt%	1	2/15/2022

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

Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (10-12)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:08:00 PM

Lab ID: 22020244-005A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B		Prep Date: 2/10/2022		Analyst: KVV	
Acetone	ND	0.061		mg/Kg-dry	1	2/19/2022
Benzene	ND	0.0041		mg/Kg-dry	1	2/19/2022
Bromodichloromethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
Bromoform	ND	0.0041		mg/Kg-dry	1	2/19/2022
Bromomethane	ND	0.0082		mg/Kg-dry	1	2/19/2022
2-Butanone	ND	0.061		mg/Kg-dry	1	2/19/2022
Carbon disulfide	ND	0.041		mg/Kg-dry	1	2/19/2022
Carbon tetrachloride	ND	0.0041		mg/Kg-dry	1	2/19/2022
Chlorobenzene	ND	0.0041		mg/Kg-dry	1	2/19/2022
Chloroethane	ND	0.0082		mg/Kg-dry	1	2/19/2022
Chloroform	ND	0.0041		mg/Kg-dry	1	2/19/2022
Chloromethane	ND	0.0082		mg/Kg-dry	1	2/19/2022
Dibromochloromethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,2-Dichloroethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,1-Dichloroethene	ND	0.0041		mg/Kg-dry	1	2/19/2022
cis-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	2/19/2022
trans-1,2-Dichloroethene	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,2-Dichloropropane	ND	0.0041		mg/Kg-dry	1	2/19/2022
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	2/19/2022
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	2/19/2022
Ethylbenzene	ND	0.0041		mg/Kg-dry	1	2/19/2022
2-Hexanone	ND	0.016		mg/Kg-dry	1	2/19/2022
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	2/19/2022
Methylene chloride	ND	0.0082		mg/Kg-dry	1	2/19/2022
Methyl tert-butyl ether	ND	0.0041		mg/Kg-dry	1	2/19/2022
Styrene	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,1,2,2-Tetrachloroethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
Tetrachloroethene	ND	0.0041		mg/Kg-dry	1	2/19/2022
Toluene	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,1,1-Trichloroethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
1,1,2-Trichloroethane	ND	0.0041		mg/Kg-dry	1	2/19/2022
Trichloroethene	ND	0.0041		mg/Kg-dry	1	2/19/2022
Vinyl chloride	ND	0.0041		mg/Kg-dry	1	2/19/2022
Xylenes, Total	ND	0.012		mg/Kg-dry	1	2/19/2022

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

Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (10-12)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:08:00 PM

Lab ID: 22020244-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)				Prep Date: 2/11/2022	Analyst: TEM
Acenaphthene	ND	0.037		mg/Kg-dry	1	2/14/2022
Acenaphthylene	ND	0.037		mg/Kg-dry	1	2/14/2022
Aniline	ND	0.37		mg/Kg-dry	1	2/14/2022
Anthracene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benz(a)anthracene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benzidine	ND	0.37		mg/Kg-dry	1	2/14/2022
Benzo(a)pyrene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benzo(b)fluoranthene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benzo(g,h,i)perylene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benzo(k)fluoranthene	ND	0.037		mg/Kg-dry	1	2/14/2022
Benzoic acid	ND	0.92		mg/Kg-dry	1	2/14/2022
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	2/14/2022
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	2/14/2022
Bis(2-ethylhexyl)phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	2/14/2022
Butyl benzyl phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
Carbazole	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	2/14/2022
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	2/14/2022
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	2/14/2022
Chrysene	ND	0.037		mg/Kg-dry	1	2/14/2022
Dibenz(a,h)anthracene	ND	0.037		mg/Kg-dry	1	2/14/2022
Dibenzofuran	ND	0.19		mg/Kg-dry	1	2/14/2022
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	2/14/2022
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	2/14/2022
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	2/14/2022
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	2/14/2022
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	2/14/2022
Diethyl phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	2/14/2022
Dimethyl phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
4,6-Dinitro-2-methylphenol	ND	0.37		mg/Kg-dry	1	2/14/2022
2,4-Dinitrophenol	ND	0.92		mg/Kg-dry	1	2/14/2022
2,4-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	2/14/2022
2,6-Dinitrotoluene	ND	0.037		mg/Kg-dry	1	2/14/2022

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

Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (10-12)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:08:00 PM

Lab ID: 22020244-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Semivolatile Organic Compounds by GC/MS	SW8270D (SW3550B)		Prep Date: 2/11/2022		Analyst: TEM
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Di-n-butyl phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
Di-n-octyl phthalate	ND	0.92		mg/Kg-dry	1	2/14/2022
Fluoranthene	ND	0.037		mg/Kg-dry	1	2/14/2022
Fluorene	ND	0.037		mg/Kg-dry	1	2/14/2022
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	2/14/2022
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	2/14/2022
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	2/14/2022
Hexachloroethane	ND	0.19		mg/Kg-dry	1	2/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.037		mg/Kg-dry	1	2/14/2022
Isophorone	ND	0.19		mg/Kg-dry	1	2/14/2022
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	2/14/2022
2-Methylphenol	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Methylphenol	ND	0.19		mg/Kg-dry	1	2/14/2022
Naphthalene	ND	0.037		mg/Kg-dry	1	2/14/2022
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	2/14/2022
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	2/14/2022
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	2/14/2022
4-Nitrophenol	ND	0.37		mg/Kg-dry	1	2/14/2022
Nitrobenzene	ND	0.037		mg/Kg-dry	1	2/14/2022
N-Nitrosodi-n-propylamine	ND	0.037		mg/Kg-dry	1	2/14/2022
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	2/14/2022
N-Nitrosodiphenylamine	ND	0.037		mg/Kg-dry	1	2/14/2022
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	2/14/2022
Pentachlorophenol	ND	0.037		mg/Kg-dry	1	2/14/2022
Phenanthrene	ND	0.037		mg/Kg-dry	1	2/14/2022
Phenol	ND	0.19		mg/Kg-dry	1	2/14/2022
Pyrene	ND	0.037		mg/Kg-dry	1	2/14/2022
Pyridine	ND	0.74		mg/Kg-dry	1	2/14/2022
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	2/14/2022
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	2/14/2022
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	2/14/2022

Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 2/16/2022		Analyst: JG
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Antimony	ND	2.0		mg/Kg-dry	10	2/16/2022
Arsenic	4.7	1.0		mg/Kg-dry	10	2/16/2022
Barium	53	1.0		mg/Kg-dry	10	2/16/2022
Beryllium	0.51	0.50		mg/Kg-dry	10	2/16/2022
Cadmium	ND	0.50		mg/Kg-dry	10	2/16/2022

Qualifiers:
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 * - Non-accredited parameter

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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (10-12)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:08:00 PM

Lab ID: 22020244-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Metals by ICP/MS	SW6020A (SW3050B)		Prep Date: 2/16/2022	Analyst: JG
Calcium	71000	60	mg/Kg-dry 10	2/16/2022
Chromium	17	1.0	mg/Kg-dry 10	2/16/2022
Cobalt	9.4	1.0	mg/Kg-dry 10	2/17/2022
Copper	26	2.5	mg/Kg-dry 10	2/17/2022
Iron	19000	30	mg/Kg-dry 10	2/16/2022
Lead	20	0.50	mg/Kg-dry 10	2/16/2022
Magnesium	35000	30	mg/Kg-dry 10	2/16/2022
Manganese	420	1.0	mg/Kg-dry 10	2/16/2022
Nickel	28	1.0	mg/Kg-dry 10	2/16/2022
Potassium	1600	30	mg/Kg-dry 10	2/16/2022
Selenium	ND	1.0	mg/Kg-dry 10	2/16/2022
Silver	ND	1.0	* mg/Kg-dry 10	2/16/2022
Sodium	1000	60	mg/Kg-dry 10	2/16/2022
Thallium	ND	1.0	mg/Kg-dry 10	2/16/2022
Vanadium	21	1.0	mg/Kg-dry 10	2/16/2022
Zinc	51	5.0	mg/Kg-dry 10	2/16/2022

SPLP Metals by ICP/MS	SW1312/6020A (SW3005A)		Prep Date: 2/11/2022	Analyst: JG
Arsenic	ND	0.0040	mg/L 2	2/11/2022
Barium	ND	0.020	mg/L 2	2/11/2022
Beryllium	ND	0.0020	mg/L 2	2/11/2022
Cadmium	ND	0.0020	mg/L 2	2/11/2022
Chromium	0.0056	0.0040	mg/L 2	2/11/2022
Cobalt	ND	0.0040	mg/L 2	2/11/2022
Copper	ND	0.040	mg/L 2	2/11/2022
Iron	3.0	0.20	mg/L 2	2/11/2022
Lead	0.0024	0.0020	mg/L 2	2/11/2022
Manganese	0.017	0.0040	mg/L 2	2/11/2022
Nickel	ND	0.0080	mg/L 2	2/11/2022
Selenium	ND	0.0040	mg/L 2	2/11/2022
Silver	ND	0.0040	mg/L 2	2/11/2022
Zinc	ND	0.020	mg/L 2	2/11/2022

TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 2/11/2022	Analyst: JG
Arsenic	ND	0.010	mg/L 5	2/11/2022
Barium	0.30	0.050	mg/L 5	2/11/2022
Beryllium	ND	0.0050	mg/L 5	2/11/2022
Cadmium	ND	0.0050	mg/L 5	2/11/2022
Chromium	ND	0.010	mg/L 5	2/11/2022

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits
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 HT - Sample received past holding time E - Value above quantitation range
 * - Non-accredited parameter H - Holding time exceeded

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Report Date: March 16, 2022

Print Date: March 16, 2022

ANALYTICAL RESULTS

Client: Huff & Huff, Inc.

Client Sample ID: Kensington 1-01 (10-12)

Work Order: 22020244 Revision 1

Tag Number:

Project: 81.0220714.04, IDOT WO #3 Mt Prospect, Elmhurs Collection Date: 2/8/2022 12:08:00 PM

Lab ID: 22020244-005B

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	SW1311/6020A (SW3005A)		Prep Date: 2/11/2022		Analyst: JG	
Cobalt	ND	0.010		mg/L	5	2/11/2022
Copper	ND	0.10		mg/L	5	2/11/2022
Iron	ND	0.25		mg/L	5	2/11/2022
Lead	ND	0.0050		mg/L	5	2/11/2022
Manganese	1.2	0.010		mg/L	5	2/11/2022
Nickel	ND	0.020		mg/L	5	2/11/2022
Selenium	ND	0.010		mg/L	5	2/11/2022
Silver	ND	0.010		mg/L	5	2/11/2022
Zinc	ND	0.050		mg/L	5	2/11/2022
TCLP Mercury	SW1311/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
SPLP Mercury	SW1312/7470A		Prep Date: 2/11/2022		Analyst: LB	
Mercury	ND	0.00020		mg/L	1	2/11/2022
Mercury	SW7471B		Prep Date: 2/14/2022		Analyst: ZPT	
Mercury	ND	0.020		mg/Kg-dry	1	2/15/2022
pH (25 °C)	SW9045C		Prep Date: 2/14/2022		Analyst: MAZ	
pH	8.5			pH Units	1	2/14/2022
Percent Moisture	D2974		Prep Date: 2/14/2022		Analyst: HYM	
Percent Moisture	12.5	0.2	*	wt%	1	2/15/2022

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

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 S - Spike Recovery outside accepted recovery limits
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